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Vital Statistics 1987

**Wisconsin Department of Health and Social Services,
Division of Health, Center for Health Statistics**

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FOREWORD

The Center for Health Statistics of the Wisconsin Division of Health, Department of Health and Social Services, is charged by law with the dual responsibility to maintain an effective system of vital registration and to make vital statistics available to public and private agencies and to the public. This report contains statistical summaries of vital events in Wisconsin, including: births; deaths; fetal deaths; marriages; and divorces. Events reported for the year 1987 and filed before April 1, 1988 are included in this report. In addition to vital events occurring in Wisconsin, the Center for Health Statistics collects data from birth certificates for children born outside Wisconsin to mothers who reside in Wisconsin, and death certificate data for Wisconsin residents who die outside the state. These events are also included in this report.

This publication is intended for use as a convenient reference for vital statistics. It presents frequently used tabulations but does not contain analytical interpretations. The Center for Health Statistics publishes more detailed analyses of selected vital events data. Topics include maternal and child health; cancer; deaths from accidents, poisoning, and violence; and marriage and divorce. Tabulations of unpublished data are available upon request.

This report has been prepared under the supervision of Edward Steichen, Chief, and Gail Grady, Administrative Assistant, Section of Vital Statistics. Georgia Hillebrandt and Peggy Peterson supervised the collection, preparation and coding of data. Computer programming was done by David Petrashek, Management Information Specialist. The text was processed by Peggy Carlson and Lisa Fix. Overall direction was provided by R. D. Nashold, Director, and Carol V. Getts, Deputy Director, Center for Health Statistics.

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SUMMARY OF 1987 WISCONSIN VITAL STATISTICS REPORT

The 1987 population estimate for Wisconsin of 4,807,000 persons represents an increase of 101,233 over the 1980 Census; this reflects an average annual increase of approximately 13,300.

Throughout the 1980's, Wisconsin has had a relatively stable natural increase (births minus deaths) ranging from 30,000 to 34,000 annually.

From 1980 through 1987 Wisconsin experienced a small net out-migration of population averaging about 18,300 persons annually; however, this fluctuated considerably from year to year.

There were 70,907 live births in Wisconsin in 1987, yielding a birth rate of 14.8 per 1,000 population. This is the lowest birth rate since 1978.

Births to white mothers declined nearly one percent to 62,914 while births to minority group mothers, i.e., black, American Indian and other (largely Asian), rose two percent to 7,993 or 11 percent of all births in 1987.

There were 2,483 births to mothers below age 18 in 1987. By race, the percentage of such births is lowest for whites, 2.3 percent (1,467 births) and highest for blacks, 15.1 percent (912 births).

Infant mortality rates for blacks, American Indians, and others are essentially double the rates for the white population (16.1 infant deaths per 1,000 live births compared to 7.7). This difference has not diminished in recent years.

Male death rates exceed female death rates for all age groups except the very young (below age 5) and the very old (age 90 and over).

Leading causes of death by age group generally show similar patterns from year to year. Violent death (accident, suicide, homicide) predominates from about age 5 through age 35, with rates being about three times higher for males than females. From age 35 to 70, heart disease is the leading cause of death for males and cancer for females. After age 70, heart disease leads for both males and females followed by cancer and stroke.

The number of marriages occurring in Wisconsin in 1987 declined from 38,373 in 1986 to 37,647. This represents the lowest number since 1977.

Divorces and annulments in Wisconsin in 1987 totalled 16,923, an increase of over three percent from the 16,395 recorded in 1986.

WISCONSIN VITAL STATISTICS REGISTRATION SYSTEM

Description: The vital statistics registration system depends upon the cooperation of many Wisconsin institutions, professionals and government offices. Vital statistics would not be available without this cooperative effort. The registration system is organized as follows:

Each county is a primary registration district for vital events for the rural areas, villages and towns. According to Wisconsin law, the office of the Register of Deeds is the place for filing birth, death and marriage records from these areas. In addition, cities, as defined by Wisconsin Statutes, may also serve as primary registration districts for births and deaths with the local health officer serving as the local registrar. Cities have the option of turning the function over to the county Register of Deeds. Copies of the original records are maintained in the local offices and the original record is forwarded to the Wisconsin Center for Health Statistics, Section of Vital Statistics.

Hospital administrators have legal responsibility for preparation and filing of birth records is for all births occurring within or enroute to a hospital, and also for filing fetal death reports. Because nearly all births occur in hospitals, most of the information obtained on the birth certificate is recorded by hospital personnel.

The funeral director (or person acting as such) has legal responsibility for obtaining information on death certificates and for filing the records with the local registrar. The physician in attendance, coroner or medical examiner is responsible for certifying the cause of death and medical information on the certificate.

Applications for marriage licenses are made in the office of the county clerk. The marriage certificate is completed by the officiant, civil or religious. The officiant has the responsibility of forwarding the original certificate to the register of deeds.

Locally, the divorce certificate is the responsibility of the clerk of court where the divorce decree is granted. The county clerk of court retains the records of the court, has the necessary information transcribed the divorce certificate, and forwards it to the Section of Vital Statistics.

The Section of Vital Statistics maintains a permanent repository for original records of birth, death, marriage and divorce.

THE WISCONSIN VITAL STATISTICS REGISTRATION SYSTEM

RECORD	PERSONS RESPONSIBLE FOR COMPLETING RECORDS	PERSONS RESPONSIBLE FOR FILING RECORD WITH LOCAL REGISTRAR	LOCAL REGISTRARS TRANSMIT RECORDS TO STATE
Birth Certificate	Hospital Administrator for hospital births. For non-hospital births, the party attending birth or, if none, the parents.	Hospital Administrator or other party who completed the record.	Register of Deeds of each county is primary registrar for villages and towns. The City Health Officer is primary registrar for cities approved for vital records functions.
Report of Fetal Death	Hospital Administrator of hospital of occurrence. Otherwise the Funeral Director or other person designated by parents.	Hospital Administrator or party who completed the record.	Same as above.
Death Certificate	Funeral Director for completion of personal and statistical information. Physician, Coroner or Medical Examiner for causes of death, interval between onset and death, day and hour of death, certification.	Funeral Director after filing report of final disposition and within 8 days of death.	Same as above.
	When no funeral director is employed, then the person who prepares the body for burial and conducts the funeral of any member of the immediate family.	Person designated to perform the burial and conduct the funeral.	Same as above.
Marriage Certificate	Persons applying for marriage license and the county clerk who issues the license.	Minister, priest, judge, family court commissioner, court commissioner or the 2 parties themselves, after completion of the certification and signing by 2 competent adult witnesses.	Register of Deeds of each county.
Certificate of Divorce	Attorney for the petitioner, family court commissioner and clerk of court.	Not filed locally.	Clerk of Court.

POPULATION CHARACTERISTICS
AND
VITAL RATES

POPULATION CHARACTERISTICS

The vital events tabulated in this report could not be interpreted in public health terms without knowledge of the overall population in which the events occurred. This section is intended to provide some context for the analysis and interpretation of vital statistics. The population estimates that appear in this report (Tables P 1.1 through P 1.5) are also used in calculating the rates found in subsequent tables.

Age-Sex Distribution: The detailed age-sex distribution (Table P 1.4) is first generated by a Composite Method[1] utilizing live births and deaths for the United States and for Wisconsin in both a base period (here 1979-1981) and in the estimate year (1987), along with Census population tables and a current estimate for U.S. population. Age-sex specific rates are calculated, the national rate changes from base period to estimate year are used to update Wisconsin base period rates. The number of births or deaths are then divided by the estimated rates to produce the population estimates. The estimates are next used, along with Wisconsin deaths, to produce the abridged life table (Table P 1.5) by means of the Reed-Merrell Method.[2] County estimates (Tables P 1.1 and P 1.3) are derived from the state estimate using Censal Ratio[3] estimators based on resident births, deaths and motor vehicle registrations.

Recent Growth: The July 1, 1987 estimate of Wisconsin population is 4,807,000; this represents total growth of over 101,000, in the seven and a quarter years since the 1980 Decennial Census. This is an annual average of 14,000 per year. Two forces affect this overall growth, natural increase and the net effect of in-migration and out-migration (Table P 1.2).

Natural Increase: Natural increase has been remarkably stable during this decade (Figure 1), varying in the range of 30,000 to 34,000 year to year. Altogether, 531,579 persons were born and 297,767 died, a total natural increase of 233,812 and an average of 32,250 per year.

Migration: Subtracting natural increase from the total increase reveals a net out-migration of 132,579. Two observations should be noted:

1. While the annual average was 18,300 out, it is clear that for some years the number was much higher, perhaps approaching 50,000, while being close to zero in others.

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[1]Donald J. Bogue and Beverly Duncan, "A Composite Method for Estimating Postcensal Population of Small Areas by Age, Sex, and Color," reproduced in U.S. National Office of Vital Statistics, Vital Statistics-Special Reports 47(6), August 24, 1959.

[2]Lowell J. Reed and Margaret Merrell, "A Short Method for constructing an Abridged Life Table." American Journal of Hygiene, 30(2):33-62, September 1939; reproduced in U.S. Bureau of the Census, Handbook of Statistical Methods for Demographers, 1951, pp. 12-27.

[3]Henry S. Shryock and Jacob S. Siegel, The Methods and Materials of Demography, U.S. Government Printing Office, Washington, DC, 1971, p. 752.

2. The net out-migration over these seven and a quarter years has, in effect, consumed nearly 57 percent of our natural increase.

Growth Between Decades: Intercensal rates of growth have ranged during this century from 6.5 percent in the 1970s and 6.8 percent in the 1930s to 15.1 percent in the 1950s. The variation is largely accounted for by extremes of fertility. The population growth in the 1970s was smaller than in any decade since the 1930s. Live births were 110,000 fewer in the 1970s than in the 1960s and 156,000 fewer than in the 1950s. Deaths, on the other hand, were 50,000 more in the 1970s than the 1960s and 94,000 more than in the 1950s. Net out-migration was negligible in both the 1960s and 1970s after having been substantial from the 1930s through the 1950s. The economic downturn of the early 1980s caused substantial net out-migration in 1980 through 1983, amounting to perhaps 100,000. Subsequent years seem to have slowed this drain (Table P 1.2).

High Dependency Ages: The most useful population characteristics for vital statistics are age, sex, race and geographic distribution. The recent changes in age-sex distribution are graphically summarized in Figure 2. In the 1970s, the population under 15 declined as a proportion of the total, from 30 percent in 1970 to 23 percent in 1980. In 1987 the proportion of population below age 15 was 22.5 percent. From 1980 to 1987, children below age 10 have increased while those ages 10-19 have decreased. During this same period, the very old (aged 85+) have increased substantially by 36 percent.

The children of the baby boom are now ages 23 through 41 and remain the demographic "pig in the python." The inter-war birth cohorts are now in their fifties and sixties. The pre-World War I generation are now elderly. From 1.6 percent in 1900, the age 75 and older population increased its share of the total to 2.5 percent in 1940, 3.5 percent in 1960, 5.0 percent in 1980 and 5.8 percent in 1987 (Figure 3).

Sex Ratio: In most circumstances, the sex ratio (males per 100 females) changes only gradually. More males are live born than females. At all ages, however, differential mortality produces greater female survivorship. By age 95 and older there are fewer than 36 males per 100 females. In Wisconsin, the effect of predominantly male immigration was to give us higher sex ratios in earlier censuses: in 1910, 107; in 1940, 104. That effect has largely disappeared in the 1980 population.

Race: In 1980, races other than white reached 5.6 percent of Wisconsin population at 262,732 (Tables P 1.1 and P 1.4). Blacks make up nearly 70 percent of the nonwhite category with 182,592. Spanish-origin population, who may be of any race, numbered 62,972. A special census of Milwaukee City in 1985 showed that while the total population declined 3.9 percent, the black population rose 5.4 percent to 154,813. Based on these figures, it is estimated that Wisconsin's nonwhite population has increased to about 6 percent.

Figure 1

WISCONSIN'S NATURAL INCREASE 1935–87

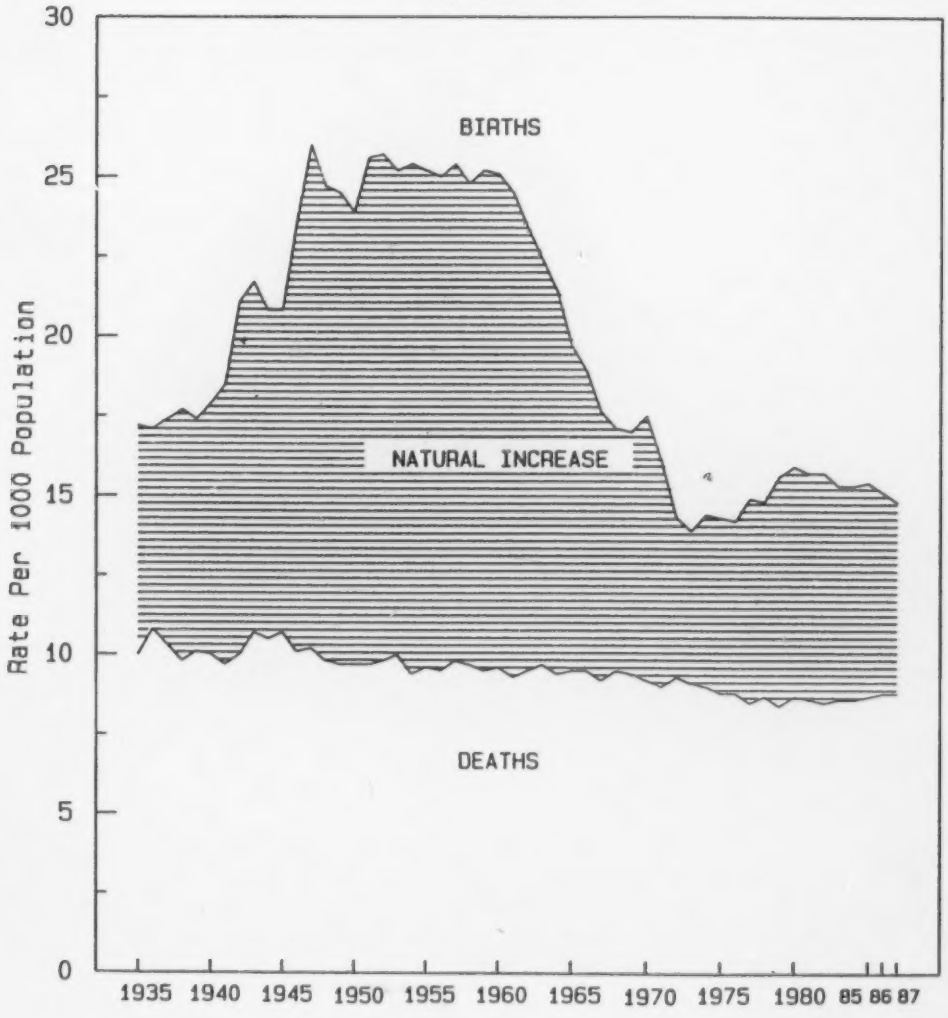


Figure 2

PERCENT CHANGE IN WISCONSIN'S POPULATION BY AGE, 1980–1987

(Resident Data)

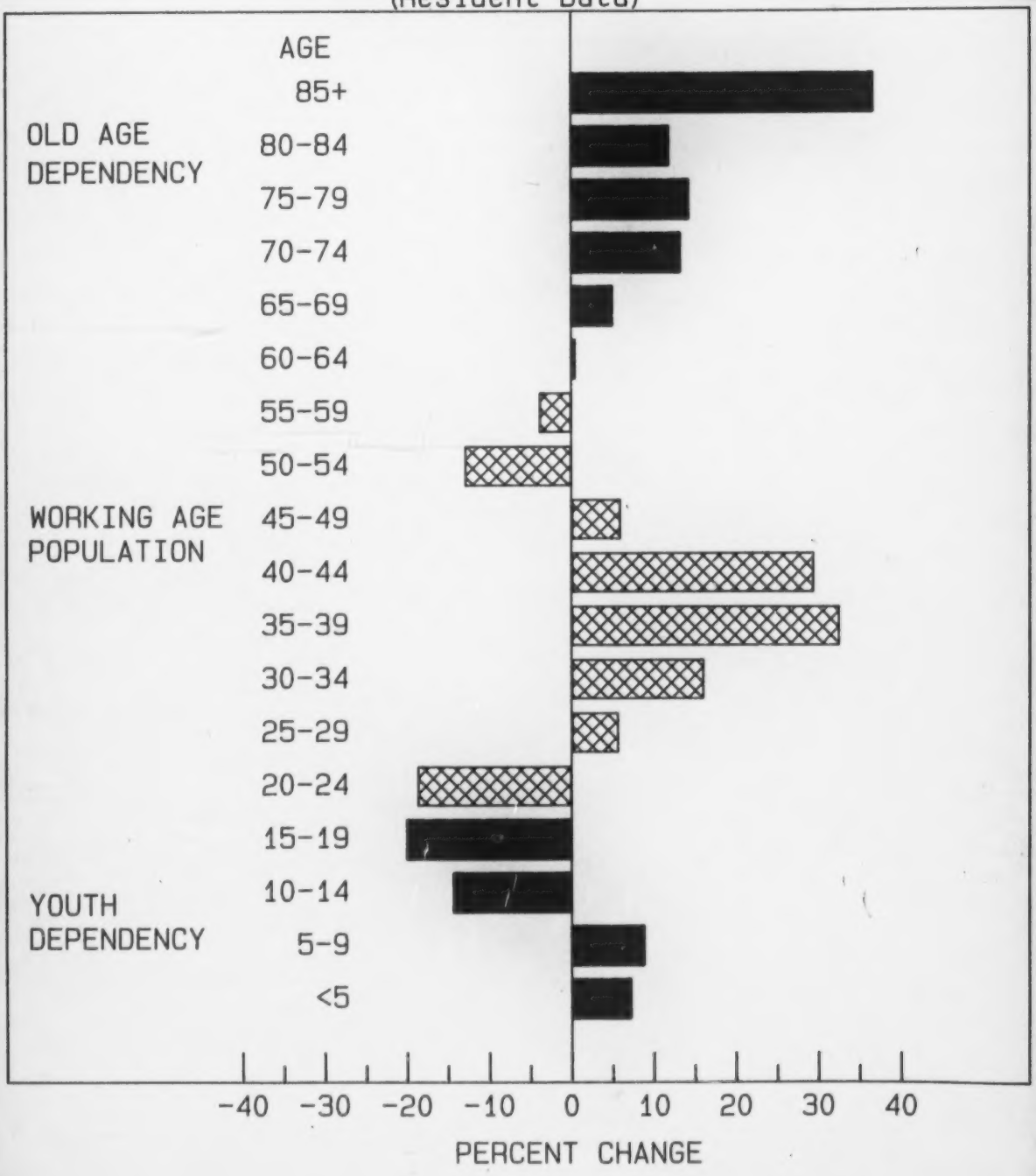
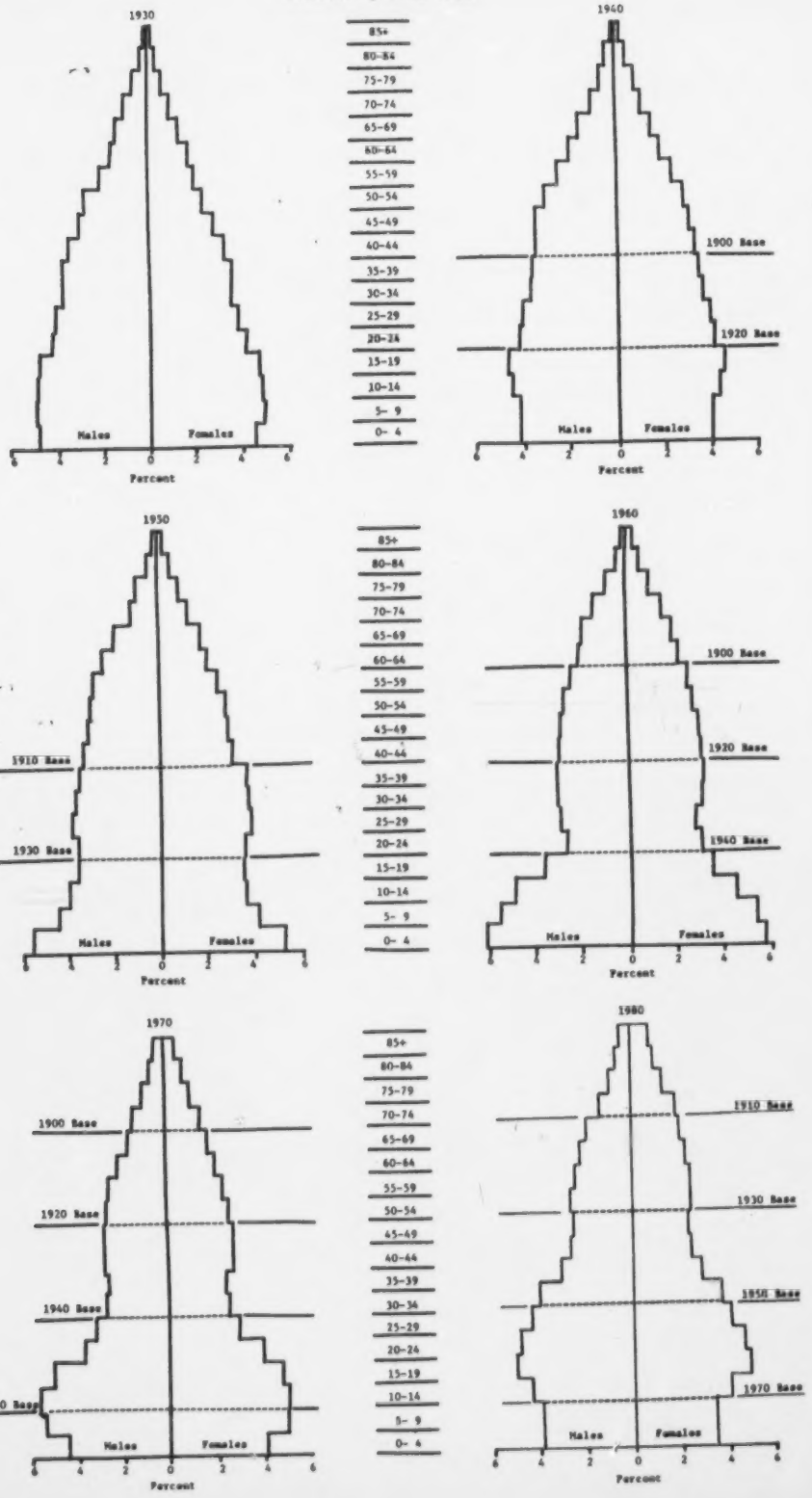


Figure 3

POPULATION PYRAMIDS

Wisconsin, 1930-1980



P 1.1

WISCONSIN POPULATION BY COUNTIES ENUMERATED IN 1980 AND ESTIMATED JULY 1, 1987
WITH AMOUNT AND RATE OF CHANGE

County	April 1, 1980 U. S. Census			July 1, 1987 Estimate	Change from 1980-1987	
	Total	White	Nonwhite		Number	Percent
State Total	4,705,767	4,443,035	262,732	4,807,000	101,233	2.2
Adams	13,457	13,049	408	15,200	1,743	13.0
Ashland	16,783	15,618	1,165	16,600	(183)	-1.1
Barron	38,730	38,464	266	40,850	2,120	5.5
Bayfield	13,822	12,855	967	14,150	328	2.4
Brown	175,280	171,224	4,056	188,850	13,570	7.7
Buffalo	14,309	14,258	51	14,500	191	1.3
Burnett	12,340	11,883	457	13,200	860	7.0
Calumet	30,867	30,635	232	34,200	3,333	10.8
Chippewa	52,127	51,843	284	54,750	2,623	5.0
Clark	32,910	32,715	195	32,850	(60)	-0.2
Columbia	43,222	42,892	330	45,400	2,178	5.0
Crawford	16,556	16,486	70	16,800	244	1.5
Dane	323,545	311,203	12,342	342,600	19,055	5.9
Dodge	75,064	73,635	1,429	76,700	1,636	2.2
Door	25,029	24,737	292	26,600	1,571	6.3
Douglas	44,421	43,481	940	43,100	(1,321)	-3.0
Dunn	34,314	33,821	493	36,050	1,736	5.1
Eau Claire	78,805	77,891	914	83,450	4,645	5.9
Florence	4,172	4,138	34	4,650	478	11.5
Fond du Lac	88,964	88,181	783	90,400	1,436	1.6
Forest	9,044	8,426	618	9,250	206	2.3
Grant	51,736	51,419	317	52,300	564	1.1
Green	30,012	29,881	131	30,850	838	2.8
Green Lake	18,370	18,242	128	18,700	330	1.8
Iowa	19,802	19,724	78	20,650	848	4.3
Iron	6,730	6,681	49	6,300	(430)	-6.4
Jackson	16,831	16,266	565	16,000	(831)	-4.9
Jefferson	66,152	65,272	880	66,600	448	0.7
Juneau	21,039	20,748	291	22,100	1,061	5.0
Kenosha	123,137	117,862	5,275	121,600	(1,537)	-1.2
Kewaunee	19,539	19,486	53	20,800	1,261	6.5
LaCrosse	91,056	90,159	897	96,780	5,724	6.3
Lafayette	17,412	17,355	57	16,900	(512)	-2.9
Langlade	19,978	19,843	135	20,500	522	2.6
Lincoln	26,555	26,376	179	27,850	1,295	4.9

WISCONSIN POPULATION BY COUNTIES ENUMERATED IN 1980 AND ESTIMATED JULY 1, 1987
WITH AMOUNT AND RATE OF CHANGE

	April 1, 1980 U. S. Census				Change from 1980-1987	
County	Total	White	Nonwhite	July 1, 1987 Estimate	Number	Percent
Manitowoc	82,918	81,994	924	82,400	(518)	-0.6
Marathon	111,270	110,488	782	114,350	3,080	2.8
Marinette	39,314	39,091	223	41,900	2,586	6.6
Marquette	11,672	11,561	111	13,000	1,328	11.4
Menominee	3,373	352	3,021	4,000	627	18.6
Milwaukee	964,988	788,729	176,259	932,300	(32,688)	-3.4
Monroe	35,074	34,654	420	36,300	1,226	3.5
Oconto	28,947	28,744	203	31,200	2,253	7.8
Oneida	31,216	30,949	267	32,650	1,434	4.6
Outagamie	128,799	126,115	2,684	136,700	7,901	6.1
Ozaukee	66,981	66,029	952	67,450	469	0.7
Pepin	7,477	7,448	29	7,750	273	3.7
Pierce	31,149	30,863	286	33,950	2,801	9.0
Polk	32,351	32,026	325	34,300	1,949	6.0
Portage	57,420	56,670	750	62,850	5,430	9.5
Price	15,788	15,707	81	16,150	362	2.3
Racine	173,132	155,206	17,926	170,000	(3,132)	-1.8
Richland	17,476	17,383	93	17,750	274	1.6
Rock	139,420	133,367	6,053	139,350	(70)	-0.1
Rusk	15,589	15,440	149	15,500	(89)	-0.6
St. Croix	43,262	43,005	257	49,100	5,838	13.5
Sauk	43,469	43,133	336	46,850	3,381	7.8
Sawyer	12,843	11,416	1,427	13,550	707	5.5
Shawano	35,928	34,490	1,438	37,050	1,122	3.1
Sheboygan	100,935	99,526	1,409	102,800	1,865	1.8
Taylor	18,817	18,732	85	19,750	933	5.0
Trempealeau	26,158	26,070	88	27,150	992	3.8
Vernon	25,642	25,546	96	25,850	208	0.8
Vilas	16,535	15,323	1,212	18,200	1,665	10.1
Walworth	71,507	69,841	1,666	73,000	1,493	2.1
Washburn	13,174	13,053	121	14,300	1,126	8.5
Washington	84,848	84,304	544	87,350	2,502	2.9
Waukesha	280,326	276,105	4,221	288,900	8,574	3.1
Waupaca	42,831	42,535	296	46,500	3,669	8.6
Waushara	18,526	18,289	237	20,000	1,474	8.0
Winnebago	131,703	130,100	1,603	138,100	6,397	4.9
Wood	72,799	72,002	797	75,800	3,001	4.1

County totals may not add to state total because of independent rounding.

WISCONSIN POPULATION GROWTH DUE TO NATURAL INCREASE AND MIGRATION
1950-1987

Year	Estimated Population July 1, each year	Resident Births [a]	Resident Deaths [a]	Natural Increase (Births minus deaths)	% Gain or Loss through Migration [b] (Total Gain minus Natural Increase)
NOTE: DATA FOR YEARS 1930 THRU 1949 APPEAR IN THE 1979 PUBLIC HEALTH STATISTICS REPORT.					
1950	3,449,000	82,774	33,225	49,549	+0.25
1951	3,437,000	85,092	33,486	51,606	-1.85
1952	3,463,000	88,381	33,643	54,738	-0.83
1953	3,502,000	88,675	34,364	54,311	-0.44
1954	3,599,000	89,989	34,275	55,714	+1.15
1955	3,666,000	91,952	34,480	57,472	+0.26
1956	3,740,000	92,915	35,374	57,541	+0.44
1957	3,802,000	94,947	36,342	58,605	+0.09
1958	3,863,000	96,174	37,322	58,852	+0.06
1959	3,915,000	97,234	37,312	59,922	-0.20
1960 [c]	3,967,000	99,006	37,644	61,362	-0.24
1961	4,014,000	98,965	37,724	61,241	-0.35
1962	4,043,000	96,467	37,829	58,638	-0.73
1963	4,086,000	93,052	39,004	54,048	-0.27
1964	4,151,000	90,258	39,274	50,984	+0.34
1965	4,212,000	85,915	39,509	46,406	0.35
1966	4,262,000	81,666	40,241	41,425	+0.20
1967	4,303,000	78,105	39,995	38,110	+0.07
1968	4,332,000	75,028	40,489	34,539	-0.13
1969	4,381,000	74,291	41,198	33,093	+0.36
1970	4,425,000	75,890	40,946	34,944	+0.20
1971	4,465,000	74,716	40,600	34,116	+0.13
1972	4,512,000	68,348	41,227	27,121	+0.44
1973	4,518,000	63,758	41,684	22,074	-0.36
1974	4,538,000	63,973	41,052	22,921	-0.06
1975	4,555,000	65,147	40,363	24,784	-0.17
1976	4,578,000	65,093	40,054	25,039	-0.04
1977	4,613,000	66,795	39,759	27,036	+0.17
1978	4,645,000	68,561	39,806	28,755	+0.07
1979	4,680,000	70,892	39,716	31,176	+0.08
1980	4,714,000	73,987	39,974	34,013	0.00
1981	4,735,000	74,537	40,649	33,888	-0.27
1982	4,745,000	74,315	40,361	33,954	-0.51
1983	4,746,000	73,410	40,606	32,804	-0.67
1984	4,766,000	72,775	40,974	31,801	-0.25
1985	4,772,000	73,349	41,198	32,151	-0.55
1986	4,785,000	72,517	41,765	30,752	-0.37
1987	4,807,000	71,802	41,630	30,172	-0.17
Intercensal Population Increase					
1930-1940	198,581	533,489	307,717	225,772	-0.93
1940-1950	296,988	698,717	318,996	379,721	-2.64
1950-1960	517,202	920,079	353,098	566,981	-1.45
1960-1970	465,954	855,144	395,532	459,612	+0.16
1970-1980	288,036	681,940	404,235	277,705	+0.23

a. Births and Deaths in the upper panel have been recomputed on a Fiscal Year basis (July 1 to June 30) to match midyear population estimates. Births and deaths in the lower panel have been recomputed to an April 1 to March 31 basis to match Census dates.

b. The percent gain or loss through migration is computed by dividing the number of net migrants by the population at the beginning of the period in hundreds.

c. July 1 estimates, 1961 to 1969 and 1971 to 1979 have been adjusted for the error in previously published estimates revealed in the 1970 and 1980 Censuses.

WISCONSIN POPULATION CHARACTERISTICS BY COUNTY - JULY 1, 1987 ESTIMATE

Page 1 of 2

County	Total	Age			
		0-19	20-34	35-64	65+
State Total	4,807,000	1,455,000	1,195,000	1,522,000	637,000
Adams	15,200	3,700	3,350	5,100	3,050
Ashland	16,600	4,950	3,650	5,150	2,850
Barron	40,850	11,650	8,250	13,750	7,200
Bayfield	14,150	3,450	3,100	4,750	2,850
Brown	188,850	61,250	49,100	58,650	19,900
Buffalo	14,500	4,150	2,950	4,850	2,550
Burnett	13,200	3,950	2,050	4,850	2,350
Calumet	34,200	11,100	8,850	10,650	3,600
Chippewa	54,750	16,750	12,450	18,000	7,550
Clark	32,850	9,350	6,650	10,850	6,000
Columbia	45,400	13,550	9,950	14,150	7,750
Crawford	16,800	4,800	3,400	5,550	3,050
Dane	342,600	86,250	121,700	101,300	33,400
Dodge	76,700	25,200	17,100	23,400	11,000
Door	26,600	6,450	5,850	8,950	5,350
Douglas	43,100	13,300	11,150	13,000	5,650
Dunn	36,050	12,550	9,200	9,900	4,400
Eau Claire	83,450	26,250	22,450	23,800	11,000
Florence	4,650	1,350	950	1,500	850
Fond du Lac	90,400	27,650	20,500	29,750	12,450
Forest	9,250	2,700	2,200	2,700	1,650
Grant	52,300	18,200	13,350	14,350	6,400
Green	30,850	9,200	6,800	9,600	5,250
Green Lake	18,700	4,850	3,900	6,150	3,800
Iowa	20,650	4,800	4,800	7,900	3,150
Iron	6,300	1,900	1,000	2,300	1,100
Jackson	16,000	4,550	3,250	5,400	2,800
Jefferson	66,600	20,900	17,900	19,000	8,750
Juneau	22,100	6,550	4,850	6,900	3,800
Kenosha	121,600	38,400	29,200	40,450	13,550
Kewaunee	20,800	4,850	4,800	7,950	3,200
LaCrosse	96,700	30,350	26,000	27,600	12,750
Lafayette	16,900	3,950	3,950	6,400	2,600
Langlade	20,500	5,850	4,100	6,800	3,750
Lincoln	27,850	7,950	5,600	9,350	4,950

P 1.3

WISCONSIN POPULATION CHARACTERISTICS BY COUNTY - JULY 1, 1987 ESTIMATE

County	Total	Age			
		0-19	20-34	35-64	65+
Manitowoc	82,400	25,250	18,700	27,100	11,350
Marathon	114,350	35,000	26,000	37,600	15,750
Marinette	41,900	11,950	8,450	14,100	7,400
Marquette	13,000	3,900	2,050	4,750	2,300
Menominee	4,000	2,300	500	1,000	200
Milwaukee	932,300	287,550	240,800	281,200	122,750
Monroe	36,300	10,350	7,350	12,200	6,400
Oconto	31,200	8,900	6,300	10,300	5,700
Oneida	32,650	9,300	6,600	11,000	5,750
Outagamie	136,700	44,350	35,500	42,400	14,450
Ozaukee	67,450	20,650	15,400	25,200	6,200
Pepin	7,550	2,200	1,800	2,200	1,350
Pierce	33,950	11,800	8,700	9,300	4,150
Polk	34,300	9,750	6,950	11,550	6,050
Portage	62,850	21,850	16,050	17,200	7,750
Price	16,150	3,950	3,550	5,400	3,250
Racine	170,000	53,700	40,800	56,550	19,000
Richland	17,750	5,350	3,900	5,500	3,000
Rock	139,350	44,000	33,450	46,350	15,550
Rusk	15,500	4,400	3,150	5,100	2,850
St. Croix	49,100	15,050	11,150	16,150	6,750
Sauk	46,850	14,000	10,250	14,600	8,000
Sawyer	13,550	3,500	2,400	4,900	2,750
Shawano	37,050	10,550	7,450	12,500	6,550
Sheboygan	102,800	33,800	22,900	31,400	14,700
Taylor	19,750	5,750	4,650	5,800	3,550
Trempealeau	27,150	7,700	5,500	9,150	4,800
Vernon	25,850	6,300	5,650	8,650	5,250
Vilas	18,200	4,700	3,250	6,550	3,700
Walworth	73,000	22,900	19,650	20,850	9,600
Washburn	14,300	3,700	2,550	5,150	2,900
Washington	87,350	28,350	22,700	27,100	9,200
Waukesha	288,900	88,450	65,950	107,950	26,500
Waupaca	46,500	12,000	9,700	15,250	9,550
Waushara	20,000	5,150	4,200	6,550	4,100
Winnebago	138,100	43,350	37,150	39,400	18,150
Wood	75,800	23,200	17,250	24,900	10,450

Age totals across counties do not agree with age totals in Table P1.4 because different methods are used.

County totals may not agree with the sum of the age groups because of independent rounding.

WISCONSIN POPULATION BY AGE AND SEX, WHITE AND NONWHITE
1980 CENSUS AND 1987 ESTIMATE

Age	Total				Male				Female			
	1987 Estimate	1980 Census			1987 Estimate	1980 Census			1987 Estimate	1980 Census		
		Total	White	Nonwhite		Total	White	Nonwhite		Total	White	Nonwhite
Total	4,809,000	4,705,767	4,443,035	262,732	2,341,000	2,305,427	2,177,806	127,621	2,467,000	2,400,340	2,265,229	135,111
Under 5	372,000	346,940	316,240	30,700	190,000	178,111	162,719	15,392	182,000	168,829	153,521	15,308
Under 1	73,000	75,319	68,489	6,830	38,000	38,690	35,193	3,497	35,000	36,629	33,296	3,333
1 year		69,787	63,605	6,182		35,979	32,847	3,132		33,808	30,758	3,050
2 years		68,703	62,725	5,978		35,100	32,152	2,948		33,603	30,573	3,030
3 years		67,005	61,121	5,884		34,293	31,377	2,916		32,712	29,744	2,968
4 years		66,126	60,300	5,826		34,049	31,150	2,899		32,077	29,150	2,927
5-9 years	375,000	344,804	313,835	30,969	190,000	176,843	161,331	15,512	185,000	167,961	152,504	15,457
10-14 years	336,000	392,247	362,555	29,692	170,000	200,634	185,652	14,982	166,000	191,613	176,903	14,710
15-19 years	373,000	466,612	436,852	29,760	187,000	235,736	220,906	14,830	186,000	230,876	215,946	14,930
20-24 years	366,000	450,026	421,067	28,959	183,000	224,250	210,121	14,129	183,000	225,776	210,946	14,830
25-29 years	425,000	401,915	376,189	25,726	213,000	202,273	189,933	12,340	212,000	199,642	186,256	13,386
30-34 years	404,000	348,115	327,841	20,274	202,000	174,497	164,994	9,503	202,000	173,618	162,847	10,771
35-39 years	360,000	271,661	257,318	14,343	179,000	134,821	128,037	6,784	181,000	136,840	129,281	7,559
40-44 years	298,000	230,312	218,574	11,738	148,000	114,330	108,799	5,531	150,000	115,982	109,775	6,207
45-49 years	233,000	219,866	209,858	10,008	115,000	108,401	103,827	4,574	118,000	111,465	106,031	5,434
50-54 years	203,000	233,079	224,205	8,874	100,000	114,761	110,552	4,209	103,000	118,318	113,653	4,665
55-59 years	220,000	229,046	222,159	6,887	106,000	110,278	106,884	3,394	114,000	118,768	115,275	3,493
60-64 years	208,000	206,947	202,048	4,899	99,000	96,830	94,534	2,296	109,000	110,117	107,514	2,603
65-69 years	194,000	184,722	180,912	3,810	89,000	84,318	82,632	1,686	105,000	100,404	98,280	2,124
70-74 years	165,000	145,693	143,054	2,639	72,000	62,950	61,846	1,104	93,000	82,743	81,208	1,535
75-79 years	123,000	107,568	105,806	1,762	49,000	43,289	42,584	705	74,000	64,279	63,222	1,057
80-84 years	79,000	70,577	69,629	948	29,000	25,539	25,165	374	50,000	45,038	44,464	574
85-89 years	49,400	37,941	37,481	460	15,100	12,416	12,235	181	34,300	25,525	25,246	279
90-94 years	20,700	14,058	13,873	185	5,500	4,191	4,136	55	15,200	9,867	9,737	130
95+ years	5,900	3,638	3,539	99	1,400	959	919	40	4,500	2,679	2,620	59
65+ years	637,000	564,197	554,294	9,903	261,000	233,662	229,517	4,145	376,000	330,535	324,777	5,758
Median age	31.9	29.4	29.9	21.8	31.0	28.3	28.9	21.1	32.9	30.4	31.0	22.4

*Column does not add to total due to rounding.

P 1.5

ABRIDGED LIFETABLES FOR WISCONSIN POPULATION, MALE AND FEMALE

1985-1987 (1986 AVERAGE)

MALE

AGE INTERVAL X TO X + N			NUMBER LIVING EXACTLY TO AGE X	PROBABILITY OF DEATH DURING AGE INTERVAL	TOTAL NUMBER OF PERSONS IN AGE GROUP X TO X+N	*MEAN OF YEARS LIVED FROM AGE X TO DEATH	**AVERAGE AGE AT DEATH OF THOSE AGE X
0	TO	1	100000.	0.00940	99320.	73.11	76.32
1	TO	4	99060.	0.00193	395741.	72.80	76.47
5	TO	9	98869.	0.00131	493985.	68.94	76.50
10	TO	14	98740.	0.00159	493338.	64.03	76.52
15	TO	19	98583.	0.00499	491781.	59.13	76.54
20	TO	24	98091.	0.00716	488836.	54.41	76.62
25	TO	29	97388.	0.00604	485588.	49.78	76.73
30	TO	34	96800.	0.00627	482605.	45.07	76.83
35	TO	39	96194.	0.00796	479204.	40.34	76.92
40	TO	44	95428.	0.01176	474553.	35.64	77.04
45	TO	49	94306.	0.02080	467000.	31.03	77.22
50	TO	54	92344.	0.03298	454672.	26.63	77.53
55	TO	59	89298.	0.05248	435605.	22.45	78.01
60	TO	64	84612.	0.08587	406070.	18.54	78.75
65	TO	69	77346.	0.12972	363061.	15.04	79.90
70	TO	74	67312.	0.19542	305094.	11.88	81.46
75	TO	79	54158.	0.29194	232113.	9.14	83.50
80	TO	84	38347.	0.42046	150937.	6.85	87.06
85	TO	99	22224.	1.00000	111844.	5.03	92.50

FEMALE

AGE INTERVAL X TO X + N			NUMBER LIVING EXACTLY TO AGE X	PROBABILITY OF DEATH DURING AGE INTERVAL	TOTAL NUMBER OF PERSONS IN AGE GROUP X TO X+N	*MEAN OF YEARS LIVED FROM AGE X TO DEATH	**AVERAGE AGE AT DEATH OF THOSE AGE X
0	TO	1	100000.	0.00668	99516.	79.68	82.86
1	TO	4	99332.	0.00142	396959.	79.22	82.96
5	TO	9	99191.	0.00073	495754.	75.33	82.98
10	TO	14	99119.	0.00086	495399.	70.38	82.99
15	TO	19	99034.	0.00191	494734.	65.44	83.00
20	TO	24	98845.	0.00222	493718.	60.56	83.03
25	TO	29	98625.	0.00221	492622.	55.69	83.06
30	TO	34	98407.	0.00302	491348.	50.80	83.10
35	TO	39	98109.	0.00420	489598.	45.95	83.14
40	TO	44	97698.	0.00705	486901.	41.13	83.20
45	TO	49	97009.	0.01234	482285.	36.41	83.30
50	TO	54	95812.	0.01942	474765.	31.83	83.48
55	TO	59	93951.	0.02858	463549.	27.40	83.76
60	TO	64	91267.	0.04698	446383.	23.13	84.16
65	TO	69	86979.	0.07275	420137.	19.14	84.81
70	TO	74	80651.	0.10909	382587.	15.43	85.88
75	TO	79	71853.	0.17163	329915.	12.00	87.42
80	TO	84	59521.	0.28045	256884.	8.94	89.58
85	TO	99	42829.	1.00000	275141.	6.42	92.50

* LIFE EXPECTATION AT AGE X
** MEDIAN AGE AT DEATH OF THOSE ALIVE AT AGE X

SUMMARY OF VITAL EVENTS

Table R1.6

WISCONSIN VITAL EVENTS AND RATES (1935-1987)
(Resident Data)

Year	Estimated Mid Year Population	Live Births		Infant Deaths		Fetal Deaths		Total Deaths (excl. fetal Deaths)		Maternal Deaths		Marriages		Divorces Annulments & Separations	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.[c]	Rate
Note:	Data for years 1910 thru 1934 appear in the 1979 Public Health Statistics report.														
1935	3,048,000	52,402	17.2	2,413	46.0	1,257	23.4	30,404	10.0	193	368.3	21,075	6.9	3,543	1.2
1936	3,063,000	52,429	17.1	2,509	47.9	1,271	23.7	32,926	10.8	206	392.9	22,666	7.4	3,741	1.2
1937	3,078,000	53,504	17.4	2,329	43.5	1,254	22.9	31,733	10.3	188	351.4	23,285	7.6	3,999	1.3
1938	3,099,000	54,746	17.7	2,308	42.2	1,250	22.3	30,385	9.8	165	301.4	20,732	6.7	3,568	1.2
1939	3,121,000	54,187	17.4	2,172	40.1	1,180	21.3	31,404	10.1	153	282.4	21,276	6.8	3,673	1.2
1940	3,138,000	56,324[b]	17.9	2,030	36.0	1,209	21.0	31,457	10.0	151	268.1	23,379	7.5	3,599	1.1
1941	3,140,000	58,043	18.5[a]	1,922	33.1	1,140	19.3	30,445	9.7	137	236.0	28,816	9.2	4,050	1.3
1942	3,053,000	64,504	21.1	2,030	31.5	1,366	20.7	30,639	10.0	109	169.0	24,860	8.1	3,905	1.3
1943	3,014,000	65,404	21.7	2,224	34.0	1,306	19.6	32,323	10.7	126	192.6	22,393	7.4	4,469	1.5
1944	2,980,000	61,928	20.8	1,950	31.5	1,183	18.7	31,373	10.5	113	182.5	21,190	7.1	5,326	1.8
1945	2,961,000	61,577	20.8	1,890	30.7	1,141	18.2	31,776	10.7	81	131.5	25,269	8.5	6,393	2.2
1946	3,167,000	74,868	23.6	2,235	29.9	1,300	17.1	31,965	10.1	101	134.9	38,964	12.3	8,197	2.6
1947	3,250,000	84,562	26.0	2,470	29.2	1,410	16.4	33,078	10.2	87	102.9	35,555	10.9	5,877	1.8
1948	3,314,000	81,814	24.7	2,147	26.2	1,357	16.3	32,535	9.8	83	101.4	32,579	9.8	5,075	1.5
1949	3,391,000	83,183	24.5	2,193	26.4	1,274	15.1	32,876	9.7	47	56.5	27,782	8.2	4,815	1.4
1950	3,449,000	82,364	23.9	2,098	25.5	1,241	14.8	33,573	9.7	35	42.5	29,081	8.4	4,845	1.4
1951	3,437,000	87,819	25.6	2,182	24.8	1,343	15.1	33,397	9.7	42	47.8	27,133	7.9	4,473	1.3
1952	3,463,000	88,941	25.7	2,160	24.3	1,267	14.0	33,887	9.8	42	47.2	24,737	7.1	4,847	1.4
1953	3,502,000	88,408	25.2	2,069	23.4	1,251	14.0	34,839	10.0	38	43.0	25,469	7.3	5,011	1.4
1954	3,599,000	91,570	25.4	2,002	21.9	1,216	13.1	33,709	9.4	34	37.1	24,921	6.9	4,887	1.4
1955	3,666,000	92,333	25.2	2,175	23.6	1,233	13.2	35,250	9.6	22	23.8	25,543	7.0	4,720	1.3
1956	3,740,000	93,496	25.0	2,133	22.8	1,235	13.0	35,498	9.5	20	21.4	26,833	7.2	4,488	1.2
1957	3,802,000	96,398	25.4	2,145	22.3	1,278	13.1	37,185	9.8	35	36.3	25,723	6.8	4,336	1.1
1958	3,863,000	95,950	24.8	2,250	23.4	1,246	12.8	37,457	9.7	29	30.2	24,985	6.5	4,499	1.2
1959	3,915,000	98,518	25.2	2,295	23.3	1,222	12.3	37,166	9.5	34	34.5	25,637	6.5	4,657	1.2
1960[e]	3,967,000	99,493	25.1	2,173	21.8	1,341	13.3	38,121	9.6	27	27.1	24,573	6.2	3,672[d]	0.9
1961	4,014,000	98,435	24.5	2,235	22.7	1,243	12.5	37,325	9.3	27	27.4	24,232	6.0	4,300	1.1
1962	4,043,000	94,497	23.4	1,929	20.4	1,114	11.7	38,332	9.5	26	27.5	24,114	6.0	4,547	1.1
1963	4,086,000	91,605	22.4	2,060	22.5	1,184	12.8	39,676	9.7	20	21.8	25,678	6.3	4,918	1.2
1964	4,151,000	88,910	21.4	1,848	20.8	1,112	12.4	38,872	9.4	16	18.0	26,832	6.5	5,214	1.3
1965	4,212,000	82,919	19.7	1,829	22.1	1,042	12.4	40,146	9.5	13	15.7	28,410	6.7	5,232	1.2
1966	4,262,000	80,412	18.9	1,640	20.4	958	11.8	40,336	9.5	21	26.1	28,473	6.7	5,293	1.2
1967	4,303,000	75,797	17.6	1,484	19.6	867	11.3	39,654	9.2	9	11.9	30,480	7.1	6,105	1.4
1968	4,332,000	74,257	17.1	1,453	19.6	838	11.2	41,323	9.5	9	12.1	33,019	7.6	7,260	1.7
1969	4,381,000	74,324	17.0	1,281	17.2	872	11.6	41,072	9.4	15	20.2	34,402	7.9	7,832	1.8
1970	4,425,000	77,455	17.5	1,308	16.9	817	10.4	40,820	9.2	6	7.7	34,415	7.8	8,930	2.0
1971	4,465,000	71,976	16.1	1,157	16.1	767	10.5	40,380	9.0	10	13.9	34,858	7.8	8,927	2.0
1972	4,512,000	64,719	14.3	984	15.2	680	10.4	42,074	9.3	9	13.9	38,608	8.6	10,492	2.3
1973	4,518,000	62,796	13.9	900	14.3	590	9.3	41,293	9.1	7	11.1	40,098	8.9	11,595	2.6
1974	4,538,000	65,150	14.4	898	13.8	579	8.8	40,811	9.0	3	4.6	38,248	8.4	12,470	2.7
1975	4,555,000	65,145	14.3	881	13.5	530	8.1	39,916	8.8	3	4.6	35,888	7.9	13,187	2.9
1976	4,578,000	65,042	14.2	818	12.6	540	8.2	40,191	8.8	6	9.2	36,024	7.9	14,579	3.2
1977	4,613,000	68,548	14.9	774	11.3	478	6.9	39,325	8.5	7	10.2	37,430	8.1	14,792	3.2
1978	4,645,000	68,573	14.8	769	11.2	421	6.1	40,285	8.7	8	11.7	38,189	8.2	16,129	3.5
1979	4,680,000	73,209	15.6	790	10.8	496	6.7	39,145	8.4	3	4.1	39,556	8.5	17,161	3.7
1980	4,714,000	74,763	15.9	763	10.2	549[c]	7.3	40,801	8.7	5	6.7	41,113	8.7	17,589	3.7
1981	4,735,000	74,309	15.7	768	10.3	571	7.6	40,495	8.6	3	4.0	41,114	8.7	18,459	3.9
1982	4,745,000	74,319	15.7	700	9.4	529	7.1	40,226	8.5	-	--	42,146	8.9	17,327	3.7
1983	4,746,000	72,499	15.3	699	9.6	486	6.7	40,985	8.6	4	5.5	40,758	8.6	16,503	3.5
1984	4,762,000	73,050	15.3	723	9.9	514	7.0	40,962	8.6	3	4.1	41,101	8.6	16,625	3.5
1985	4,772,000	73,647	15.4	674	9.2	471	6.4	41,434	8.7	4	5.4	40,014	8.4	16,596	3.5
1986	4,785,000	72,229	15.1	663	9.2	471	6.5	42,027	8.8	3	4.2	38,373	8.0	16,395	3.4
1987	4,807,000	70,907	14.8	611	8.6	441	6.2	42,074	8.8	3	4.2	37,647	7.8	16,923	3.5

a. Crude birth rates for 1941-1946 are calculated on the civilian population as suggested in National Office of Vital Statistics of the U.S., 1950, Vol. 1, page 29.

b. Number of live births, 1940-1950 corrected for underregistration.

c. Figures are by Place of Occurrence.

d. Excluded legal separations, from 1960 to present.

e. July 1 population estimates, 1960-1970 and 1970 to 1980 have been revised after the Census.

TABLE R1.7

LIVE BIRTHS BY COUNTY
WISCONSIN, 1978 - 1982 AND 1983 - 1987
WITH FIVE YEAR AVERAGES AND RATES

(RESIDENT DATA)

COUNTY	1978	1979	1980	1981	1982	FIVE YEAR AVERAGE 1978-1982	FIVE YEAR RATE	1983	1984	1985	1986	1987	FIVE YEAR AVERAGE 1983-1987	FIVE YEAR RATE
TOTAL	68573	73209	74763	74309	74327	73036	15.5	72499	73050	73647	72229	70907	72466	15.2
ADAMS	163	162	179	177	175	171	12.7	164	182	170	170	164	170	11.6
ASHLAND	268	243	279	302	282	275	16.4	295	256	248	274	220	259	15.4
BARRON	593	656	654	693	745	668	17.2	679	672	628	578	567	625	15.5
BAYFIELD	175	198	219	212	209	203	14.7	230	200	193	187	174	197	13.8
BROWN	2624	2790	2802	2824	2833	2775	15.8	2856	2821	2917	2829	2910	2867	15.2
BUFFALO	217	232	236	197	239	224	15.7	229	184	227	213	220	215	14.7
BURNETT	154	215	167	203	179	184	14.9	194	162	160	157	152	165	12.1
CALUMET	462	485	546	519	556	514	16.7	551	550	514	567	546	546	15.8
CHIPPEWA	825	882	903	924	854	878	16.8	920	851	867	822	709	834	15.5
CLARK	536	542	641	581	587	577	17.5	576	533	514	468	488	516	16.0
COLUMBIA	637	623	667	668	682	655	15.2	655	624	650	657	608	639	14.3
CRAWFORD	246	255	293	284	296	275	16.6	276	272	239	251	250	258	15.7
DANE	4183	4469	4685	4638	4684	4532	14.0	4657	4902	4984	5067	5124	4947	14.5
DODGE	1107	1110	1186	1173	1187	1153	15.4	1108	1115	1146	1115	1055	1108	14.0
DOOR	374	409	412	397	406	400	16.0	379	345	400	368	376	374	13.8
DOUGLAS	657	688	702	713	676	687	15.5	645	580	590	549	547	582	13.4
DUNN	466	510	537	536	551	520	15.2	503	506	501	467	398	475	13.2
EAU CLAIRE	1062	1083	1117	1265	1255	1156	14.7	1185	1203	1201	1111	1178	1176	14.3
FLORENCE	36	69	55	64	66	58	13.9	54	50	63	51	45	53	11.6
FOND DU LAC ...	1361	1461	1512	1460	1409	1441	16.2	1333	1382	1368	1316	1247	1329	14.4
FOREST	150	131	140	161	147	146	16.1	156	144	156	136	152	149	15.8
GRANT	791	867	867	814	812	830	16.0	805	785	743	753	713	760	14.3
GREEN	428	456	483	471	514	470	15.7	507	439	471	469	404	458	14.9
GREEN LAKE	248	306	262	325	287	286	15.6	310	279	266	240	230	265	14.1
IOWA	268	356	345	342	340	330	16.7	366	335	319	346	305	334	16.5
IRON	66	70	84	72	86	76	11.3	64	63	76	63	68	67	10.0
JACKSON	273	291	276	271	291	280	16.6	257	236	240	228	230	238	14.9
JEFFERSON	918	1034	973	1029	952	981	14.8	953	987	1004	893	901	948	13.7
JUNEAU	333	379	347	355	331	349	16.6	343	327	339	301	323	327	15.0
KENOSHA	1711	1796	1826	1815	1789	1787	14.5	1839	1796	1910	1787	1931	1853	16.0
KEWAUNEE	330	327	323	347	311	328	16.8	303	336	303	274	301	303	15.0
LA CROSSE	1250	1318	1350	1396	1372	1337	14.7	1470	1443	1394	1408	1365	1416	15.2
LAFAYETTE	302	289	289	339	300	304	17.5	321	314	271	265	229	280	16.3
LANGLADE	308	301	287	313	271	296	14.8	334	276	259	299	249	283	13.9
LINCOLN	367	423	406	406	383	397	15.0	384	405	363	323	349	365	13.2
MANITOWOC	1232	1290	1338	1262	1345	1293	15.6	1208	1263	1228	1127	1136	1192	14.0
MARATHON	1707	1934	1930	1806	1804	1836	16.5	1728	1730	1812	1650	1644	1713	15.0
MARINETTE	599	580	662	671	578	618	15.7	559	551	592	562	535	560	13.5
MARQUETTE	154	172	167	163	183	168	14.4	148	184	158	175	169	167	12.2

TABLE R1.7

LIVE BIRTHS BY COUNTY
WISCONSIN, 1978 - 1982 AND 1983 - 1987
WITH FIVE YEAR AVERAGES AND RATES

(RESIDENT DATA)

COUNTY	1978	1979	1980	1981	1982	FIVE YEAR AVERAGE 1978-1982	FIVE YEAR RATE	1983	1984	1985	1986	1987	FIVE YEAR AVERAGE 1983-1987	FIVE YEAR RATE
MENOMINEE	96	99	111	96	108	102	30.2	116	112	132	151	138	130	50.0
MILWAUKEE	14555	15680	15842	15806	16064	15589	16.2	15631	15887	16296	16254	16035	16021	17.5
MONROE	503	555	607	582	638	577	16.5	564	581	600	555	552	570	15.9
OCONTO	460	446	469	435	461	454	15.7	415	458	451	453	413	438	14.6
ONEIDA	379	444	423	467	429	428	13.7	425	455	437	423	373	423	13.0
OUTAGAMIE	2070	2268	2340	2229	2172	2216	17.2	2197	2171	2320	2180	2227	2219	16.0
OZAUKEE	898	936	992	963	932	944	14.3	935	943	960	954	955	949	14.1
PEPIN	119	157	128	127	112	129	17.3	131	128	94	122	97	114	14.6
PIERCE	452	504	507	527	532	504	16.2	484	494	492	498	434	480	14.3
POLK	496	499	506	561	560	524	16.2	520	596	506	488	506	523	15.5
PORTAGE	926	841	928	891	896	896	15.6	851	956	876	903	818	881	14.1
PRICE	218	247	242	232	243	236	14.9	238	238	225	215	182	220	13.5
RACINE	2697	2857	2980	2855	2717	2821	20.2	2691	2794	2641	2653	2661	2688	16.4
RICHLAND	274	270	275	302	281	280	16.0	278	284	267	228	246	261	15.0
ROCK	2109	2222	2256	2115	2196	2180	15.6	2088	2116	2189	2183	2106	2136	15.2
RUSK	230	251	222	251	259	243	15.6	256	258	216	234	203	233	15.0
ST.CROIX	739	741	835	773	762	770	17.8	788	815	741	805	824	795	17.0
SAUK	603	692	654	696	691	667	15.3	661	697	690	674	671	679	14.8
SAWYER	175	182	219	239	228	209	16.3	215	224	203	224	228	219	16.0
SHAWANO	516	549	528	543	550	537	14.9	536	530	488	499	507	512	14.0
SHEBOYGAN	1406	1559	1588	1595	1588	1547	15.3	1515	1517	1507	1492	1379	1482	14.5
TAYLOR	332	357	379	339	370	355	18.9	345	340	354	294	280	323	16.0
TREMPEALEAU ...	364	384	373	416	400	387	14.8	387	392	370	352	324	365	13.7
VERNON	336	384	408	440	408	395	15.4	376	409	409	406	328	386	15.2
VILAS	172	200	228	218	222	208	12.6	222	236	240	214	228	228	12.9
WALWORTH	969	944	1026	971	1053	993	13.9	915	896	1009	951	914	937	12.7
WASHBURN	180	222	226	202	208	208	15.8	210	227	198	201	171	201	14.5
WASHINGTON	1342	1428	1442	1422	1387	1404	16.5	1359	1359	1383	1335	1305	1348	15.8
WAUKESHA	3596	3841	3841	3824	3808	3782	13.5	3610	3661	3727	3799	3779	3715	13.2
WAUPACA	683	673	697	690	677	684	16.0	660	625	656	637	597	635	14.0
WAUSHARA	208	276	243	236	267	246	13.3	294	241	247	266	259	261	13.5
WINNEBAGO	1754	1882	1901	1867	1945	1870	14.2	1887	1961	2028	1964	1894	1947	14.0
WOOD	1134	1216	1199	1211	1192	1190	16.3	1155	1166	1211	1106	1061	1140	14.9

TABLE R1.8

DEATHS BY COUNTY
WISCONSIN, 1978 - 1982 AND 1983 - 1987
WITH FIVE YEAR AVERAGES AND RATES

(RESIDENT DATA)

PAGE 1 OF 2

COUNTY	1978	1979	1980	1981	1982	FIVE YEAR AVERAGE 1978-1982	FIVE YEAR RATE	1983	1984	1985	1986	1987	FIVE YEAR AVERAGE 1983-1987	FIVE YEAR RATE
TOTAL	40285	39145	40801	40495	40226	40190	8.5	40985	40962	41434	42027	42074	41496	8.7
ADAMS	134	157	136	137	148	142	10.6	153	156	178	163	173	165	11.2
ASHLAND	193	212	219	207	196	205	12.2	241	208	196	221	213	216	12.9
BARRON	406	403	411	426	406	410	10.6	436	423	432	416	461	434	10.8
BAYFIELD	160	152	146	158	151	153	11.1	137	133	159	137	157	145	10.1
BROWN	1188	1122	1181	1287	1244	1204	6.9	1262	1247	1310	1258	1218	1259	6.7
BUFFALO	132	144	129	138	149	138	9.6	137	149	147	159	136	146	10.0
BURNETT	143	120	168	149	146	145	11.8	145	155	128	138	142	142	10.4
CALUMET	205	219	205	214	202	209	6.8	212	212	221	210	231	217	6.3
CHIPPEWA	443	436	456	486	484	461	8.8	476	431	495	486	483	474	8.8
CLARK	362	285	316	325	366	331	10.1	374	335	345	340	313	341	10.6
COLUMBIA	424	446	436	421	424	430	9.9	455	433	440	442	427	439	9.8
CRAWFORD	156	159	167	176	160	164	9.9	173	166	176	169	163	169	10.3
DANE	1943	1785	1928	2000	1865	1904	5.9	2101	2071	2112	2096	2147	2105	6.1
DODGE	705	640	678	718	724	693	9.2	689	738	711	704	708	710	9.0
DOOR	256	254	262	246	272	258	10.3	257	276	245	251	256	257	9.5
DOUGLAS	502	504	457	454	476	479	10.8	464	471	422	470	431	452	10.4
DUNN	278	250	240	248	263	256	7.5	252	249	305	282	253	268	7.4
EAU CLAIRE	598	569	646	626	624	613	7.8	584	606	618	636	615	612	7.4
FLORENCE	48	42	52	49	58	50	12.0	54	46	39	27	50	43	9.5
FOND DU LAC ...	782	797	824	771	747	784	8.8	831	753	807	875	786	810	8.8
FOREST	114	109	104	123	102	110	12.2	114	116	118	89	111	110	11.6
GRANT	492	440	454	479	418	457	8.8	475	482	476	470	487	478	9.0
GREEN	314	282	311	299	289	299	10.0	286	318	303	325	280	302	9.8
GREEN LAKE	227	217	208	215	218	217	11.8	200	211	204	218	216	210	11.2
IOWA	215	174	204	221	162	195	9.8	184	192	205	196	202	196	9.7
IRON	96	84	93	90	95	92	13.7	87	89	75	78	77	81	12.1
JACKSON	202	163	179	166	189	180	10.7	179	188	176	176	187	181	11.3
JEFFERSON	607	535	605	502	570	564	8.5	560	565	576	586	581	574	8.3
JUNEAU	220	235	221	247	224	229	10.9	226	232	227	217	240	228	10.4
KENOSHA	1007	1093	1021	964	1010	1019	8.3	1054	1058	1034	1051	1073	1054	9.1
KEWAUNEE	180	165	166	192	194	179	9.2	171	175	179	177	178	176	8.7
LA CROSSE	799	780	768	747	765	772	8.5	797	797	798	802	858	810	8.7
LAFAYETTE	158	163	139	206	172	168	9.6	165	140	147	165	160	155	9.0
LANGLADE	239	207	207	239	226	224	11.2	212	206	234	219	207	216	10.6
LINCOLN	264	252	284	293	317	282	10.6	277	302	279	289	313	292	10.6
MANITOWOC	748	719	779	750	781	755	9.1	804	799	779	786	830	800	9.4
MARATHON	834	815	853	769	816	817	7.3	799	849	827	904	881	852	7.5
MARINETTE	465	449	446	473	406	448	11.4	441	411	424	416	455	429	10.4
MARQUETTE	157	128	134	135	165	144	12.3	141	134	152	122	147	139	10.2

TABLE R1.8

DEATHS BY COUNTY
WISCONSIN, 1978 - 1982 AND 1983 - 1987
WITH FIVE YEAR AVERAGES AND RATES

(RESIDENT DATA)

COUNTY	1978	1979	1980	1981	1982	FIVE YEAR AVERAGE 1978-1982	FIVE YEAR RATE	1983	1984	1985	1986	1987	FIVE YEAR AVERAGE 1983-1987	FIVE YEAR RATE
MENOMINEE	33	30	36	38	33	34	10.1	42	40	37	30	36	37	14.2
MILWAUKEE	9088	8857	9278	8980	8915	9024	9.4	8965	9065	9143	9411	9430	9203	10.0
MONROE	325	333	339	351	385	347	9.9	347	367	376	385	347	364	10.2
OCONTO	290	320	300	333	304	309	10.7	315	319	304	274	308	304	10.2
ONEIDA	285	270	316	293	339	301	9.6	350	354	348	369	347	354	10.9
OUTAGAMIE	844	854	895	945	884	884	6.9	934	880	923	968	929	927	6.7
OZAUKEE	419	406	437	421	417	420	6.4	428	450	436	438	463	443	6.6
PEPIN	90	70	107	91	95	91	12.2	88	92	82	81	72	83	10.6
PIERCE	204	187	234	227	217	214	6.9	218	220	225	234	212	222	6.6
POLK	343	328	319	339	362	338	10.4	356	332	360	336	352	347	10.3
PORTAGE	378	347	360	398	405	378	6.6	374	423	375	384	429	397	6.3
PRICE	214	196	211	198	192	202	12.8	163	190	220	171	172	183	11.3
RACINE	1387	1379	1393	1390	1327	1375	9.9	1364	1308	1328	1433	1425	1372	8.4
RICHLAND	181	167	184	172	177	176	10.1	179	173	189	182	194	183	10.5
ROCK	1174	1119	1205	1136	1176	1162	8.3	1199	1160	1204	1247	1200	1202	8.5
RUSK	165	162	135	154	146	152	9.8	170	152	170	169	159	164	10.6
ST.CROIX	324	343	303	317	360	329	7.6	359	363	334	376	396	366	7.8
SAUK	409	387	433	442	420	418	9.6	446	437	459	455	433	446	9.7
SAWYER	146	144	155	166	159	154	12.0	176	167	136	140	169	158	11.5
SHAWANO	401	377	414	395	391	396	11.0	423	368	399	410	396	399	10.9
SHEBOYGAN	906	929	954	896	876	912	9.0	962	953	982	1005	916	964	9.4
TAYLOR	179	186	159	186	194	181	9.6	187	172	143	162	160	165	8.2
TREMPEALEAU ...	313	291	314	296	271	297	11.4	292	323	296	302	319	306	11.5
VERNON	278	313	325	288	255	292	11.4	288	335	289	317	287	303	11.9
VILAS	198	177	204	185	210	195	11.8	200	205	215	210	208	208	11.8
WALWORTH	612	634	626	623	645	628	8.8	679	632	662	694	699	673	9.1
WASHBURN	153	147	136	123	154	143	10.9	134	148	175	163	153	155	11.2
WASHINGTON	563	542	562	531	553	550	6.5	517	603	583	565	626	579	6.8
WAUKESHA	1646	1665	1648	1681	1756	1679	6.0	1746	1784	1800	1850	1836	1803	6.4
WAUPACA	569	567	618	619	606	596	13.9	571	620	610	601	626	606	13.4
WAUSHARA	210	195	214	201	211	206	11.1	209	191	238	200	200	208	10.7
WINNEBAGO	1080	1061	1099	1076	1062	1076	8.2	1112	1026	1095	1087	1093	1083	7.8
WOOD	525	539	583	601	551	560	7.7	587	588	599	612	636	604	7.9

NATALITY

1987 NATALITY STATISTICS

Total Births: Live births to Wisconsin residents totaled 70,907 in 1987. This represents a 1.8 percent decline from the 72,229 live births that occurred in 1986. There were 36,277 male births (51.2 percent) and 34,629 female births (48.8 percent), the usual difference in sex ratio at birth. The 1987 live birth rate of 14.8 per 1,000 population is the lowest recorded for Wisconsin since 1978. The lowest birth rate ever recorded for the state was 13.9 per 1,000 population in 1973.

Total Births by County: Births to residents of Milwaukee County (16,035) accounted for 22.6 percent of all Wisconsin resident births in 1987. Other counties with over 2,000 live births in 1987 included: Dane, Waukesha, Brown, Racine, Outagamie and Rock (Table 1.1). Menominee County had the highest birth rate at 34.5 per 1,000 population. Other counties with high birth rates include Milwaukee, 17.2; St. Croix, 17.2; Sawyer, 16.7; Forest, 16.6; and Outagamie, 16.3.

Births by Race of Mother: Births to white mothers numbered 62,914 in 1987, or 88.7 percent of all births in the state. This figure represents a slight decline of nearly one percent from the 63,453 births to white mothers in 1986. Births to mothers from minority groups (Black, American Indian, and Other, which includes Asian and Pacific Islander) totaled 7,993 (11 percent of total births) and indicated a two percent increase over the 7,838 births to minority group mothers in 1986 (Table 1.1).

Births to Hispanic mothers showed the greatest percentage increase from 1986 to 1987: 9.6 percent (1,222 births in 1987 compared to 1,117 in 1986). Births to black mothers increased by 5.3 percent (6,026 in 1987 compared to 5,720 in 1986). Births to American Indian mothers increased marginally in 1987, to 783 from 759 in 1986.

Births by Age of Mother: The majority of births in 1987 occurred to women aged 20 to 29 (62.6 percent). Births to women aged 30 to 39 accounted for 26.8 percent, while less than one percent occurred to women aged 40 and older. Mothers aged 19 and younger accounted for nearly one-tenth of all 1987 births (6,908). Although births to adolescent mothers declined by 3.2 percent from the 1986 total of 7,139, all of this decline occurred in the 18 to 19 year age group.

Births to mothers under age 18 numbered 2,483 (34.8 percent of births to all teenage mothers and 3.5 percent of total births). By race (Table 1.2) percentages of total births to mothers aged 17 and younger were the highest for blacks, at 15.1 percent (912 births). Other percentages included: white, 2.3 percent (1,467 births); American Indian, 7.5 percent (59 births); Hispanic, 9.5 percent (116 births); and other races, 3.8 percent (45 births).

Marital Status of Mother: Births to unmarried mothers (14,686) constituted 20.7 percent of total Wisconsin resident births in 1987 (Table 1.3). This is the highest number and percent of unmarried mothers ever recorded in Wisconsin. The percentage of total births to unmarried mothers equaled 19.6 percent in 1986, 13.8 percent in 1980 and 8.6 in 1970.

By race of mother, 14.9 percent of white births, 79.0 percent of black births, 61.4 percent of American Indian births and 41.7 percent of Hispanic births in 1987 occurred to unmarried mothers.

Percentages of births to unmarried mothers varied considerably by age. Births to unmarried mothers aged 20 to 29 and 30 and over comprised 18.3 percent and 7.2 percent, respectively, of total births to mothers in these age groups. However, 74.8 percent of all mothers aged 19 and younger and 87.7 percent of mothers under age 18 were unmarried (Table 1.3).

Prenatal Care: The proportion of mothers who initiated prenatal care in the first trimester of pregnancy was 83.0 percent in 1987; during the second trimester, the proportion was 13.6 percent and during the third trimester, 2.5 percent. There were 388 mothers in 1987 who reported that they received no prenatal care at all (Table A).

Younger mothers were much less likely to have received prenatal care in the first trimester than older women. Only 54.0 percent of mothers less than 18 years old and 61.8 percent of mothers aged 18 to 19 received prenatal care in the first trimester in 1987. Among mothers aged 20 years and older, 85.6 percent received prenatal care in the first trimester.

As noted earlier, teenage mothers as a group accounted for 9.7 percent of total births in Wisconsin in 1987. However, they represent 27.6 percent of those mothers who received prenatal care only in the final trimester and 30.7 percent of those who received no prenatal care at all.

Table A

Live Births by Trimester Prenatal Care Began
by Age of Mother
Wisconsin, 1987

Trimester Prenatal Care Began	Total		<18		18-19		20+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
First	538,882	83.0	1,342	54.0	2,736	61.8	54,803	85.6
Second	9,668	13.6	875	35.2	1,314	29.7	7,479	11.7
Third	1,791	2.5	199	8.0	296	6.7	1,296	2.0
None	388	0.6	55	2.2	64	1.4	269	0.4
Unknown	178	0.2	12	0.5	15	0.3	151	0.2
Total	70,907	100.0	2,483	100.0	4,425	100.0	63,998	100.0

By race, white mothers were the most likely to have initiated prenatal care in the first trimester (86.1 percent). Comparative percentages included 63.7 percent for black mothers, 57.9 percent for American Indians, 63.1 percent for Hispanics and 52.0 percent for mothers of other races. Also, black and American Indian mothers showed the highest percentages among those who received no prenatal care during pregnancy, at 2.0 and 2.4 percent, respectively.

Education of Mother: Of all 1987 resident births, 15.7 percent occurred to mothers who had less than a high school education. The largest percentage of mothers were high school graduates (44.4 percent), while 22.2 percent had some college education and 17.5 percent had attended college for four years or more.

Birth Order: Firstborn infants accounted for 38.0 percent of total births in Wisconsin in 1987. Second-order births constituted 34.2 percent, third-order births constituted 17.4 percent and those of the fourth-order or higher accounted for 10.4 percent. By race, white mothers had the highest percentage of first- and second-order births (38.7 and 35.0 percent of total white births, respectively). Minority group mothers had the highest proportion of births of the fourth-order or higher: 18.3 percent of total births to blacks, 18.5 percent of American Indian births, and 43.7 percent of births to mothers of other races. Only 8.9 percent of total births to white mothers were of the fourth-order or higher (Table 1.2).

Among teenage mothers, first-order births to white mothers represented 83.5 percent of total white teenage births (Figure 4). In comparison, first-order births to black mothers accounted for 65.1 percent of total births; first-order births to mothers of other racial groups constituted 62.0 percent (Table 1.4). Also, among mothers aged 17 and younger, 19.6 percent of births to black mothers and 25.0 percent of births to other minority group mothers were of the second-order or higher. Births of the second-order or higher to white mothers aged 17 and younger equaled 6.5 percent of total births.

Birth Weight: As noted in the next section of this report, mortality statistics for Wisconsin illustrate that low birth weight represents the major threat to infant survival. Low birth weight infants (those weighing less than 2,500 grams, or 5 pounds, 8 ounces) accounted for 5.4 percent of total resident live births in 1987. Low birth weight infants were more likely to be born to teenage mothers (8.0 percent of total births to mothers in this age group) and to mothers aged 40 and over (6.8 percent) than to mothers aged 20 to 29 and 30 to 39 (5.1 percent each) (Table 1.7).

By race of mother, the highest proportion of low birth weight infants occurred to black mothers, at 12.9 percent of total births. Low birth weight infants constituted 4.7 percent of total births to white mothers and 5.2 percent of births to mothers of other races.

Type of Delivery: Spontaneous vaginal deliveries accounted for approximately 70 percent of all resident deliveries in 1987. Births by Cesarean section (13,038) accounted for 18.4 percent. The proportion of Wisconsin deliveries by Cesarean section has increased in recent years. Compared to the 1987 rate of 18.4 percent, Cesarean sections accounted for 13.4 percent of total deliveries in 1980 and only 5.1 percent in 1970. The 1987 Cesarean section rate, therefore, represents an increase of 38 percent over the 1980 rate and 30.6 percent over that of 1970. Although there has been a rapid rise in percent of Cesarean deliveries, Wisconsin remains below the national percentage, which was 24.1 in 1985.

Table B

Cesarean Deliveries in Wisconsin
1970-1987

Year	Total Live Births*	Cesarean Births Number	Percent
1970	77,455	3,928	5.1
1975	65,145	5,350	8.2
1980	74,763	10,004	13.4
1985	73,647	12,905	17.5
1987	70,907	13,038	18.4

* Live births and fetal deaths of 20 or more weeks gestation

TABLE 1.1

LIVE BIRTHS BY COUNTY
BY RACE/ETHNICITY OF MOTHER AND SEX OF CHILD
WISCONSIN 1987

(RESIDENT DATA)

COUNTY	TOTAL LIVE BIRTHS		WHITE		BLACK		AMER INDIAN		OTHER		*** HISPANIC ***	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ADAMS	97	67	96	67					1		1	1
ASHLAND	112	108	102	96			9	12	1			
BARRON	303	264	298	258			3	2	2	4		
BAYFIELD	87	87	74	74			13	13				
BROWN	1,484	1,426	1,390	1,341	5	4	45	48	44	33	2	7
BUFFALO	114	106	114	106								
BURNETT	78	74	75	68			3	6				
CALUMET	282	264	278	262			2	2	2			
CHIPPEWA	367	342	367	338				1		3		
CLARK	251	237	251	237								
COLUMBIA	297	311	292	306	1		3	3	1	2	3	4
CRAWFORD	134	116	133	116					1		1	
DANE	2,628	2,496	2,446	2,329	82	73	4	10	96	84	20	26
DODGE	532	523	527	519		1	2	1	3	2	2	
DOOR	190	186	188	184			2	2				2
DOUGLAS	281	266	279	257		1	2	4		4		
DUNN	198	200	191	195	1	1	2		4	4		1
EAU CLAIRE	600	578	563	539	1		5	3	31	36		1
FLORENCE	26	19	26	19								
FOND DU LAC	647	600	640	590	2	4	2	1	3	5	3	2
FOREST	81	71	67	55			14	16				
GRANT	351	361	349	361			1		1			1
GREEN	217	187	216	187					1			1
GREEN LAKE	119	111	117	107				1	2	3	2	2
IOWA	155	150	155	150								
IRON	26	42	26	42								
JACKSON	107	123	99	113			8	10				
JEFFERSON	430	471	424	465	1	1	1	1	4	4	7	10
JUNEAU	162	161	158	159			4	1		1		
KENOSHA	1,012	919	917	849	84	66	5	2	6	2	44	33
KEWAUNEE	144	157	144	157								
LA CROSSE	716	649	652	603	3		1	1	60	45	2	
LAFAYETTE	120	109	120	109								
LANGLADE	122	127	122	126				1				1
LINCOLN	175	174	174	170			1	2		2		
MANITOWOC	572	564	548	545			2	2	22	17	4	5
MARATHON	826	818	786	768			4	4	36	46	1	1
MARINETTE	255	280	254	280			1					1
MARQUETTE	85	84	84	84					1		2	2
MENOMINEE	72	66	1	4			71	62				
MILWAUKEE	8,200	7,835	5,452	5,080	2,532	2,561	58	58	158	136	342	357
MONROE	295	257	289	251		1	5	3	1	2		
OCONTO	211	202	209	200		1	1	1	1			
ONEIDA	193	180	191	178			2	2			1	
OUTAGAMIE	1,140	1,087	1,093	1,034			15	17	32	36	3	6
OZAUKEE	491	464	487	460	2	3			2	1		
PEPIN	33	64	33	64								
PIERCE	245	189	244	188		1			1			
POLK	254	252	252	250			2	2				
PORTAGE	414	404	398	395	1	3	3		12	6	5	3
PRICE	99	83	99	82				1				
RACINE	1,337	1,324	1,112	1,108	217	204	4	5	4	7	79	94
RICHLAND	109	137	108	136					1	1		1
ROCK	1,080	1,026	989	948	80	68	1	1	10	9	7	8
RUSK	91	112	88	110	1		1		1	2	1	1
ST. CROIX	438	386	437	385				1	1			
SAUK	326	345	322	341			4	4				
SAWYER	111	117	83	87			28	30			1	
SHAWANO	274	233	256	218			18	15			1	1
SHEBOYGAN	711	668	676	639	1		4	2	30	27	6	8
TAYLOR	145	135	145	135								
TREMPEALEAU	171	153	171	153								
VERNON	160	168	160	168								
VILAS	119	109	96	86			23	23				
WALWORTH	470	444	464	442	3			2	3		8	11
WASHBURN	80	91	79	90			1	1				
WASHINGTON	690	615	687	611	1				2	4	2	1
WAUKESHA	1,957	1,822	1,942	1,803	4	5	3	1	8	13	24	24
WAUPACA	298	299	297	297				2	1		2	3
WAUSHARA	137	122	136	122			1				7	7
WINNEBAGO	994	900	967	874	3	2	3	2	21	22	6	4
WOOD	549	512	537	502		1	6	6	6	3	2	1
TOTAL BIRTHS	36,277	34,629	32,242	30,672	3,025	3,001	393	390	617	566	591	631

NOTE: THERE WAS 1 OBSERVATION WHERE SEX WAS UNREPORTED; THIS WAS NOT INCLUDED IN THIS TABLE.
THERE WAS 1 OBSERVATION WHERE RACE WAS UNREPORTED; THIS WAS INCLUDED IN THE "OTHER" CATEGORY.

*** ALTHOUGH BIRTHS TO HISPANIC MOTHERS ARE TABULATED SEPARATELY, BIRTHS BY ANY RACE ALSO INCLUDE BIRTHS TO HISPANIC MOTHER

TABLE 1.2

LIVE BIRTHS BY SELECTED CHARACTERISTICS OF MOTHER
BY RACE/ETHNICITY OF MOTHER
WISCONSIN 1987

(RESIDENT DATA)

	TOTAL LIVE BIRTHS		WHITE		BLACK		AMER. INDIAN		OTHER		*** HISPANIC ***	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
MARITAL STATUS												
MARRIED	56,221	79.3	53,540	85.1	1,265	21.0	302	38.6	1,114	94.2	712	58.3
UNMARRIED	14,686	20.7	9,375	14.9	4,761	79.0	481	61.4	69	5.8	510	41.7
PLURALITY												
SINGLE BIRTH	69,377	97.8	61,557	97.8	5,877	97.5	770	98.3	1,173	99.2	1,204	98.5
MULTIPLE BIRTH	1,530	2.2	1,358	2.2	149	2.5	13	1.7	10	0.8	18	1.5
EDUCATION OF MOTHER												
ELEM. OR NONE	1,612	2.3	783	1.2	211	3.5	23	2.9	595	50.3	231	18.9
SOME H.S.	9,532	13.4	6,494	10.3	2,605	43.2	301	38.4	132	11.2	436	35.7
H.S. GRAD.	31,494	44.4	28,864	45.9	2,148	35.6	329	42.0	153	12.9	363	29.7
1-4 YEARS COLLEGE	15,761	22.2	14,694	23.4	871	14.5	107	13.7	89	7.5	149	12.2
4 YEARS COLLEGE	8,566	12.1	8,309	13.2	139	2.3	11	1.4	107	9.0	30	2.5
5+ YEARS COLLEGE	3,855	5.4	3,700	5.9	51	0.8	12	1.5	92	7.8	12	1.0
UNKNOWN	87	0.1	71	0.1	1	0.0			15	1.3	1	0.1
AGE OF MOTHER												
<15	114	0.2	30	0.0	78	1.3	1	0.1	5	0.4	9	0.7
15-17	2,369	3.3	1,437	2.3	834	13.8	58	7.4	40	3.4	107	8.8
18-19	4,425	6.2	3,241	5.2	991	16.4	120	15.3	73	6.2	154	12.6
20-24	19,015	26.8	16,335	26.0	2,091	34.7	285	36.4	304	25.7	433	35.4
25-29	25,393	35.8	23,587	37.5	1,262	20.9	192	24.5	352	29.8	312	25.5
30-34	14,709	20.7	13,765	21.9	579	9.6	96	12.3	269	22.7	140	11.5
35-39	4,353	6.1	4,065	6.5	173	2.9	25	3.2	90	7.6	57	4.7
40-44	498	0.7	434	0.7	18	0.3	6	0.8	40	3.4	10	0.8
45+	30	0.0	20	0.0					10	0.8	0	
UNKNOWN	1	0.0	1	0.0							0	
LIVE BIRTH ORDER												
1	26,910	38.0	24,335	38.7	2,050	34.0	250	31.9	275	23.2	426	34.9
2	24,226	34.2	22,006	35.0	1,759	29.2	225	28.7	236	19.9	327	26.8
3	12,364	17.4	10,933	17.4	1,114	18.5	163	20.8	154	13.0	226	18.5
4	4,489	6.3	3,666	5.8	600	10.0	84	10.7	139	11.7	129	10.6
5+	2,898	4.1	1,956	3.1	503	8.3	61	7.8	378	32.0	114	9.3
UNKNOWN	20	0.0	19	0.0					1	0.1	0	
BIRTH WEIGHT												
<1500 GRAMS	695	1.0	504	0.8	165	2.7	18	2.3	8	0.7	16	1.3
1500-2499 GRAMS	3,154	4.4	2,466	3.9	612	10.2	18	2.3	58	4.9	47	3.8
2500+ GRAMS	67,053	94.6	59,940	95.3	5,249	87.1	747	95.4	1,117	94.4	1,158	94.8
UNKNOWN	5	0.0	5	0.0							1	0.1
MONTH PRENATAL CARE BEGAN												
1-3	58,928	83.1	54,033	85.9	3,832	63.6	453	57.9	610	51.6	768	62.8
4-6	9,625	13.6	7,292	11.6	1,636	27.1	251	32.1	446	37.7	346	28.3
7-9	1,784	2.5	1,190	1.9	426	7.1	59	7.5	109	9.2	88	7.2
NONE	388	0.5	240	0.4	121	2.0	19	2.4	8	0.7	16	1.3
UNKNOWN	182	0.3	160	0.3	11	0.2	1	0.1	10	0.8	4	0.3
NUMBER OF PRENATAL VISITS												
NONE	388	0.5	240	0.4	121	2.0	19	2.4	8	0.7	16	1.3
1-4	2,023	2.9	1,179	1.9	659	10.9	77	9.8	108	9.1	97	7.9
5-9	12,919	18.2	10,023	15.9	2,135	35.4	272	34.7	489	41.3	407	33.3
10-12	33,579	47.4	30,874	49.1	2,009	33.3	282	36.0	414	35.0	449	36.7
13+	21,810	30.8	20,427	32.5	1,092	18.1	131	16.7	160	13.5	251	20.5
UNKNOWN	188	0.3	172	0.3	10	0.2	2	0.3	4	0.3	2	0.2
TYPE OF DELIVERY												
SPONTANEOUS	48,398	68.3	42,278	67.2	4,585	76.1	568	72.5	967	81.7	902	73.8
BREECH	670	0.9	585	0.9	61	1.0	5	0.6	19	1.6	12	1.0
MANIPULATION	94	0.1	74	0.1	18	0.3			2	0.2	1	0.1
FORCEPS	4,618	6.5	4,347	6.9	190	3.2	27	3.4	54	4.6	58	4.7
CESAREAN SECTION	12,998	18.3	11,651	18.5	1,078	17.9	155	19.8	114	9.6	231	18.9
OTHER SURGERY	2,228	3.1	2,125	3.4	62	1.0	21	2.7	20	1.7	18	1.5
OTHER	10	0.0	7	0.0	3	0.0					0	
UNKNOWN	1,891	2.7	1,848	2.9	29	0.5	7	0.9	7	0.6	0	

NOTE: THERE WAS 1 OBSERVATION WHERE RACE WAS UNREPORTED; THIS WAS INCLUDED IN THE "OTHER" CATEGORY.

*** ALTHOUGH BIRTHS TO HISPANIC MOTHERS ARE TABULATED SEPARATELY, BIRTHS BY ANY RACE ALSO INCLUDE BIRTHS TO HISPANIC MOTHERS.

TABLE 1.3

LIVE BIRTHS BY SELECTED CHARACTERISTICS OF MOTHER
BY MARITAL STATUS OF MOTHER
WISCONSIN 1987

(RESIDENT DATA)

	TOTAL LIVE BIRTHS * NUMBER	%	MARRIED ** NUMBER	%	UNMARRIED ** NUMBER	%
PLURALITY						
SINGLE BIRTH	69,377	97.8	54,994	79.3	14,383	20.7
MULTIPLE BIRTH	1,530	2.2	1,227	80.2	303	19.8
EDUCATION OF MOTHER						
ELEM. OR NONE	1,612	2.3	1,112	69.0	500	31.0
SOME H.S.	9,532	13.4	3,829	40.2	5,703	59.8
H.S. GRAD.	31,494	44.4	25,272	80.2	6,222	19.8
1-4 YEARS COLLEGE	15,761	22.2	13,840	87.8	1,921	12.2
4 YEARS COLLEGE	8,566	12.1	8,344	97.4	222	2.6
5+ YEARS COLLEGE	3,855	5.4	3,762	97.6	93	2.4
UNKNOWN	87	0.1	62	71.3	25	28.7
AGE OF MOTHER						
<15	114	0.2	1	0.9	113	99.1
15-17	2,369	3.3	305	12.9	2,064	87.1
18-19	4,425	6.2	1,434	32.4	2,991	67.6
20-24	19,015	26.8	13,491	70.9	5,524	29.1
25-29	25,393	35.8	22,804	89.8	2,589	10.2
30-34	14,709	20.7	13,677	93.0	1,032	7.0
35-39	4,353	6.1	4,034	92.7	319	7.3
40-44	498	0.7	446	89.6	52	10.4
45+	30	0.0	28	93.3	2	6.7
UNKNOWN	1	0.0	1	100.0		
LIVE BIRTH ORDER						
1	26,910	38.0	18,942	70.4	7,968	29.6
2	24,226	34.2	20,695	85.4	3,531	14.6
3	12,364	17.4	10,586	85.6	1,778	14.4
4	4,489	6.3	3,647	81.2	842	18.8
5+	2,898	4.1	2,338	80.7	560	19.3
UNKNOWN	20	0.0	13	65.0	7	35.0
BIRTH WEIGHT						
<1500 GRAMS	695	1.0	424	61.0	271	39.0
1500-2499 GRAMS	3,154	4.4	2,065	65.5	1,089	34.5
2500+ GRAMS	67,053	94.6	53,728	80.1	13,325	19.9
UNKNOWN	5	0.0	4	80.0	1	20.0
MONTH PRENATAL CARE BEGAN						
1-3	58,928	83.1	49,701	84.3	9,227	15.7
4-6	9,625	13.6	5,520	57.4	4,105	42.6
7-9	1,784	2.5	776	43.5	1,008	56.5
NONE	388	0.5	94	24.2	294	75.8
UNKNOWN	182	0.3	130	71.4	52	28.6
NUMBER OF PRENATAL VISITS						
NONE	388	0.5	94	24.2	294	75.8
1-4	2,023	2.9	882	43.6	1,141	56.4
5-9	12,919	18.2	8,357	64.7	4,562	35.3
10-12	33,579	47.4	27,975	83.3	5,604	16.7
13+	21,810	30.6	18,778	86.1	3,032	13.9
UNKNOWN	188	0.3	135	71.8	53	28.2
TYPE OF DELIVERY						
SPONTANEOUS	48,398	68.3	37,891	78.3	10,507	21.7
BREECH	670	0.9	527	78.7	143	21.3
MANIPULATION	94	0.1	71	75.5	23	24.5
FORCEPS	4,618	6.5	3,743	81.1	875	18.9
CESAREAN SECTION	12,998	18.3	10,504	80.8	2,494	19.2
OTHER SURGERY	2,228	3.1	1,862	83.6	366	16.4
OTHER	10	0.0	8	80.0	2	20.0
UNKNOWN	1,891	2.7	1,615	85.4	276	14.6

* PERCENTAGES FOR "TOTAL LIVE BIRTHS" COLUMN ARE BASED ON COLUMN PERCENTAGES.
** PERCENTAGES FOR "MARRIED" AND "UNMARRIED" COLUMNS ARE BASED ON ROW PERCENTAGES.

TABLE 1.4

LIVE BIRTHS BY AGE OF MOTHER
BY BIRTH ORDER AND RACE OF MOTHER
WISCONSIN 1987

(RESIDENT DATA)

LIVE BIRTH ORDER - ALL RACES

AGE OF MOTHER	TOTAL	1 NUMBER	1 %	2 NUMBER	2 %	3 NUMBER	3 %	4 NUMBER	4 %	5+ NUMBER	5+ %
TOTAL	70,887	26,910	38.0	24,226	34.2	12,364	17.4	4,489	6.3	2,898	4.1
<15	114	108	94.7	5	4.4	1	0.9				
15-17	2,369	2,074	87.5	261	11.0	30	1.3	3	0.1	1	0.0
18-19	4,422	3,168	71.6	972	22.0	219	5.0	54	1.2	9	0.2
20-24	19,006	8,986	47.3	6,731	35.4	2,351	12.4	685	3.6	253	1.3
25-29	25,389	8,535	33.6	9,740	38.4	4,882	19.2	1,504	5.9	728	2.9
30-34	14,706	3,245	22.1	5,230	35.6	3,666	24.9	1,554	10.6	1,011	6.9
35-39	4,352	738	17.0	1,192	27.4	1,116	25.6	619	14.2	687	15.8
40-44	498	56	11.2	95	19.1	97	19.5	70	14.1	180	36.1
45+	30					1	3.3			29	96.7
UNKNOWN	1					1	100.0				

LIVE BIRTH ORDER - WHITE

AGE OF MOTHER	TOTAL	1 NUMBER	1 %	2 NUMBER	2 %	3 NUMBER	3 %	4 NUMBER	4 %	5+ NUMBER	5+ %
TOTAL	62,896	24,335	38.7	22,006	35.0	10,933	17.4	3,666	5.8	1,956	3.1
<15	30	30	100.0								
15-17	1,437	1,341	93.3	91	6.3	5	0.3				
18-19	3,238	2,557	79.0	589	18.2	75	2.3	13	0.4	4	0.1
20-24	16,326	8,286	50.8	5,862	35.9	1,757	10.8	347	2.1	74	0.5
25-29	23,584	8,239	34.9	9,209	39.0	4,468	18.9	1,249	5.3	419	1.8
30-34	13,762	3,120	22.7	5,014	36.4	3,472	25.2	1,417	10.3	739	5.4
35-39	4,064	709	17.4	1,152	28.3	1,064	26.2	579	14.2	560	13.8
40-44	434	53	12.2	89	20.5	90	20.7	61	14.1	141	32.5
45+	20					1	5.0			19	95.0
UNKNOWN	1					1	100.0				

LIVE BIRTH ORDER - BLACK

AGE OF MOTHER	TOTAL	1 NUMBER	1 %	2 NUMBER	2 %	3 NUMBER	3 %	4 NUMBER	4 %	5+ NUMBER	5+ %
TOTAL	6,026	2,050	34.0	1,759	29.2	1,114	18.5	600	10.0	503	8.3
<15	78	74	94.9	3	3.8	1	1.3				
15-17	834	659	79.0	151	18.1	20	2.4	3	0.4	1	0.1
18-19	991	505	51.0	320	32.3	130	13.1	32	3.2	4	0.4
20-24	2,091	537	25.7	721	34.5	462	22.1	252	12.1	119	5.7
25-29	1,262	186	14.7	399	31.6	331	26.2	183	14.5	163	12.9
30-34	579	71	12.3	134	23.1	134	23.1	102	17.6	138	23.8
35-39	173	18	10.4	27	15.6	34	19.7	25	14.5	69	39.9
40-44	18			4	22.2	2	11.1	3	16.7	9	50.0
45+											
UNKNOWN											

LIVE BIRTH ORDER - OTHER RACE

AGE OF MOTHER	TOTAL	1 NUMBER	1 %	2 NUMBER	2 %	3 NUMBER	3 %	4 NUMBER	4 %	5+ NUMBER	5+ %
TOTAL	1,965	525	26.7	461	23.5	317	16.1	223	11.3	439	22.3
<15	6	4	66.7	2	33.3						
15-17	98	74	75.5	19	19.4	5	5.1				
18-19	193	106	54.9	63	32.6	14	7.3	9	4.7	1	0.5
20-24	589	163	27.7	148	25.1	132	22.4	86	14.6	60	10.2
25-29	543	110	20.3	132	24.3	83	15.3	72	13.3	146	26.9
30-34	365	54	14.8	82	22.5	60	16.4	35	9.6	134	36.7
35-39	115	11	9.6	13	11.3	18	15.7	15	13.0	58	50.4
40-44	46	3	6.5	2	4.3	5	10.9	6	13.0	30	65.2
45+	10									10	100.0
UNKNOWN											

NOTE: THERE WERE 20 OBSERVATIONS WHERE LIVE BIRTH ORDER WAS UNREPORTED; THESE WERE NOT INCLUDED IN THIS TABLE.
THERE WAS 1 OBSERVATION WHERE RACE WAS UNREPORTED; THIS WAS INCLUDED IN THE "OTHER" CATEGORY.

Figure 4

FIRST BORN TO MOTHERS BELOW AGE 18 AND BIRTH ORDER FOURTH AND ABOVE TO ALL MOTHERS BLACK AND WHITE POPULATION WISCONSIN, 1987

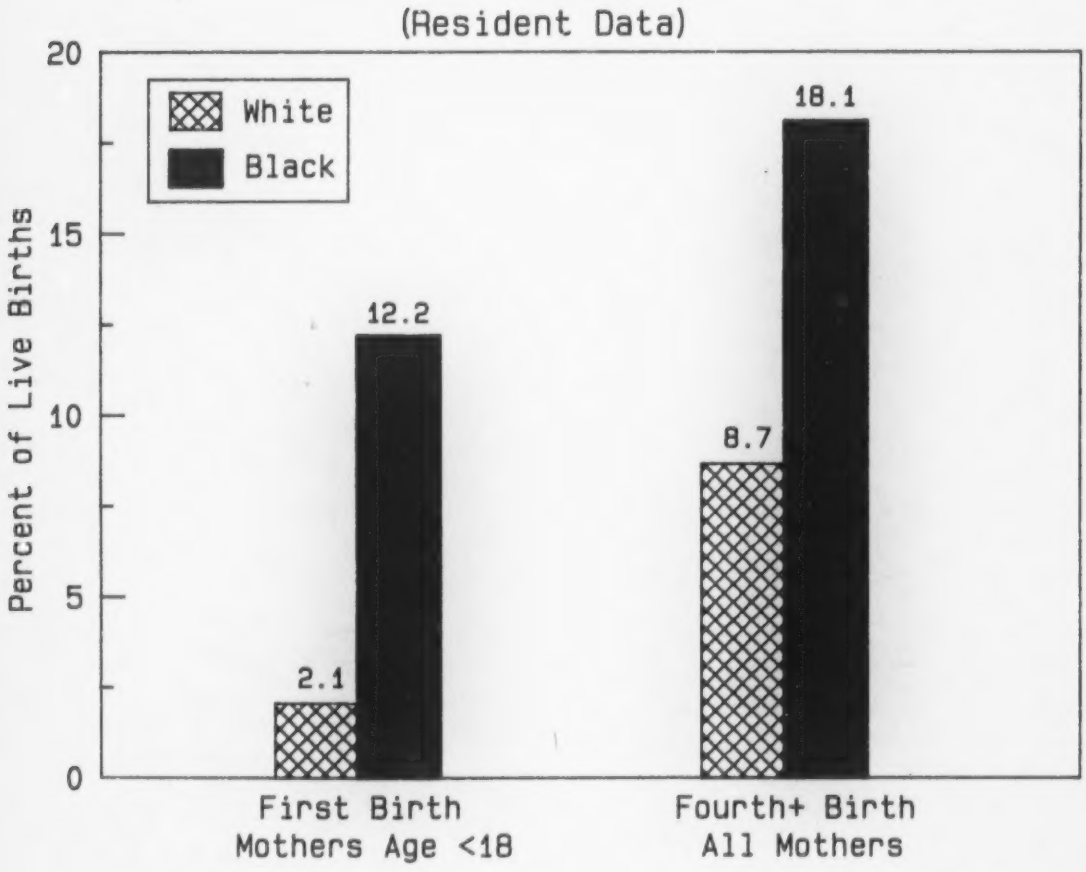


TABLE 1.5

LIVE BIRTHS OF CHILDREN BORN WITH REPORTED CONGENITAL ANOMALIES
BY SEX OF CHILD AND BY AGE OF MOTHER
WISCONSIN 1987

(RESIDENT DATA)

		TOTAL			AGE OF MOTHER						
ANOMALIES.....	ICD-9	TOTAL	MALE	FEMALE	<15	15-19	20-24	25-29	30-34	35-39	40+
ANENCEPHALUS AND SIMILAR ANOMALIES	740	11	7	4		1	4	4	1	1	
SPINA BIFIDA	741	16	10	6			8	3	1	3	1
OTHER ANOMALIES OF NERVOUS SYSTEM	742	41	20	21		5	11	15	9		1
CONGENITAL ANOMALIES OF THE EYE	743	5	2	3		1	2	1		1	
ANOMALIES OF EAR, FACE AND NECK	744	17	8	9		2	5	4	4	1	1
BULBUS CORDIS AND CARDIAC SEPTAL	745	16	10	6		2	3	7	3		1
OTHER ANOMALIES OF THE HEART	746	66	42	24		4	20	24	14	4	
ANOMALIES OF CIRCULATORY SYSTEM	747	34	15	19		1	11	10	10	2	
ANOMALIES OF RESPIRATORY SYSTEM	748	12	6	6		1	2	6	3		
CLEFT PALATE AND CLEFT LIP	749	82	50	32		4	22	26	21	9	
OTHER OF ALIMENTARY TRACT	750	24	14	10		3	5	8	7	1	
OTHER OF DIGESTIVE SYSTEM	751	31	19	12		3	11	8	7	2	
ANOMALIES OF GENITAL ORGANS	752	107	98	9		9	34	35	20	9	
ANOMALIES OF URINARY SYSTEM	753	38	26	12		6	9	11	10	2	
CONGEN. MUSCULOSKELETAL DEFORMITIES	754	93	43	50		9	28	37	16	3	
CONGEN. ANOMALIES OF THE LIMBS	755	169	88	81	1	19	49	54	31	13	2
OTHER MUSCULOSKELETAL ANOMALIES	756	45	23	22		4	18	12	10	1	
ANOMALIES OF THE INTEGUMENT	757	119	68	51	1	13	32	39	25	9	
CHROMOSOMAL ANOMALIES	758	48	29	19			4	15	16	9	4
OTHER AND UNSPECIFIED CONGEN. ANOM.	759	18	6	12			2	6	8	2	
SUBTOTAL		992	584	408	2	87	280	325	216	72	10
BENIGN NEOPLASM OF SKIN	216	15	7	8				8	3	4	
HAEMANGIOMA AND LYMPHANGIOMA, ANY	228	23	12	11		1	8	10	3	1	
NEOPLASM OF UNCERT. BEHAV. OF OTHER	238	1	1					1			
OTHER ABDOM. CAV HERNIA W/O OBSTR.	553	12	4	8		1	5	3		2	1
PILONIDAL CYST	685	27	9	18			11	7	7	2	
OTHER (*)		73	55	18	1	8	25	26	10	3	
SUBTOTAL		151	88	63	1	10	49	55	23	12	1
TOTAL		1143	672	471	3	97	329	380	239	84	11

NOTE: THERE WAS 1 OBSERVATION WHERE SEX WAS UNREPORTED, AND THERE WAS 1 OBSERVATION WHERE AGE OF MOTHER WAS UNREPORTED; THESE WERE NOT INCLUDED IN THIS TABLE.

* BALANCE OF CONGENITAL ANOMALIES OTHER THAN THOSE SPECIFICALLY CITED ABOVE.

Table 1.6

LIVE BIRTHS, FETAL DEATHS, DEATHS AND INFANT DEATHS
BY COUNTY, SELECTED MINOR CIVIL DIVISIONS AND BALANCE OF COUNTY
WISCONSIN 1987

(Resident and Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths			
					All Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
STATE TOTAL	70,907	70,457	441	441	42,074	42,151	611	606
ADAMS	164	76	0	0	173	140	0	0
ASHLAND	220	462	1	1	213	267	5	4
Ashland (C)	119	460	0	1	132	0	1	0
Balance of County	101	2	1	0	81	267	4	4
BARRON	567	632	7	7	461	434	10	3
Barron (C)	53	106	1	1	50	0	1	0
Rice Lake (C)	109	406	0	3	120	0	2	0
Rice Lake (T)	45	0	1	0	13	0	0	0
Balance of County	360	120	5	3	278	434	7	3
BAYFIELD	174	13	0	0	157	64	2	0
BROWN	2,910	3,891	12	19	1,218	1,495	25	35
Allouez (V)	159	1	0	0	65	0	0	0
Ashwaubenon (V)	224	2	1	0	90	0	2	0
Bellevue (T)	113	0	0	0	15	0	0	0
De Pere (C)	249	0	2	0	86	0	1	0
Green Bay (C)	1,609	3,884	7	19	769	0	18	0
Hobart (T)	51	0	0	0	19	0	0	0
Howard (V)	123	0	0	0	22	0	0	0
Suamico (T)	69	0	1	0	22	0	3	0
Balance of County	313	4	1	0	130	1,495	1	35
BUFFALO	220	33	1	0	136	73	1	0
Mondovi (C)	33	30	0	0	54	0	0	0
Balance of County	187	3	1	0	82	73	1	0
BURNETT	152	106	1	0	142	107	0	0
CALUMET	546	133	5	2	231	173	5	0
Appleton (C) (Pt.)	168	1	2	0	22	0	0	0
Brillion (C)	46	0	0	0	14	0	0	0
Chilton (C)	39	130	1	2	53	0	3	0
Harrison (T)	45	0	0	0	15	0	1	0
Kiel (C) (Pt.)	10	0	0	0	3	0	0	0
Menasha (C) (Pt.)	0	0	0	0	1	0	0	0
New Holstein (C)	36	0	1	0	46	0	0	0
Balance of County	202	2	1	0	77	173	1	0
CHIPPEWA	709	558	5	5	483	457	3	0
Bloomer (C)	39	101	0	0	50	0	0	0
Chippewa Falls (C)	191	352	1	4	149	0	2	0
Eagle Point (T)	24	0	0	0	53	0	0	0
Eau Claire (C) (Pt.)	15	0	1	0	2	0	0	0
Hallie (T)	47	1	0	0	16	0	0	0
Lafayette (T)	62	0	0	0	22	0	0	0
Balance of County	331	104	3	1	191	457	1	0
CLARK	488	133	4	1	313	193	2	0
Neillsville (C)	38	106	1	1	70	0	0	0
Balance of County	450	27	3	0	243	193	2	0
COLUMBIA	608	308	7	2	427	406	2	1
Columbus (C)	67	54	0	0	41	0	0	0
Portage (C)	140	247	0	2	104	0	0	0
Wisconsin Dells (C) (Pt.)	21	0	0	0	31	0	0	0
Balance of County	380	7	7	0	251	406	2	1
CRAWFORD	250	179	1	1	163	150	1	0
Prairie du Chien (C)	86	176	0	1	89	0	1	0
Balance of County	164	3	1	0	74	150	0	0

Table 1.6

LIVE BIRTHS, FETAL DEATHS, DEATHS AND INFANT DEATHS
BY COUNTY, SELECTED MINOR CIVIL DIVISIONS AND BALANCE OF COUNTY
WISCONSIN 1967

(Resident and Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths			
					All Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
DANE	5,124	6,118	36	61	2,147	2,816	33	70
Burke (T)	34	0	0	0	13	0	0	0
Cottage Grove (T)	37	0	0	0	3	0	0	0
De Forest (V)	95	0	0	0	21	0	2	0
Dunn (T)	54	0	0	0	22	0	0	0
Fitchburg (C)	108	1	0	0	19	0	0	0
Madison (C)	2,726	6,022	20	61	1,214	0	17	0
Madison (T)	41	0	1	0	7	0	1	0
Marshall (V)	41	0	2	0	17	0	0	0
McFarland (V)	90	0	0	0	21	0	0	0
Middleton (C)	199	0	2	0	79	0	1	0
Middleton (T)	44	0	1	0	17	0	1	0
Monona (C)	67	0	0	0	55	0	0	0
Mount Horeb (V)	65	0	0	0	46	0	1	0
Oregon (V)	77	0	1	0	28	0	0	0
Pleasant Springs (T)	27	0	0	0	12	0	0	0
Stoughton (C)	134	89	1	0	147	0	2	0
Sun Prairie (C)	262	1	2	0	88	0	3	0
Verona (C)	86	0	1	0	30	0	0	0
Waunakee (V)	90	0	1	0	33	0	0	0
Westport (T)	30	1	0	0	7	0	0	0
Windsor (T)	63	0	0	0	14	0	0	0
Balance of County	754	4	4	0	254	2,816	5	70
DODGE	1,055	1,127	2	3	708	723	9	2
Beaver Dam (C)	213	545	0	1	174	0	2	0
Beaver Dam (T)	38	1	0	0	28	0	0	0
Horicon (C)	47	0	1	0	33	0	0	0
Hayville (C)	57	0	0	0	41	0	0	0
Watertown (C) (Pt.)	73	401	0	2	59	0	0	0
Waupun (C) (Pt.)	64	176	0	0	61	0	2	0
Balance of County	563	4	1	0	312	723	5	2
DOOR	376	275	3	2	256	208	5	4
Sevastopol (T)	38	0	0	0	13	0	1	0
Sturgeon Bay (C)	148	271	1	2	105	0	1	0
Balance of County	190	4	2	0	138	208	3	4
DOUGLAS	547	204	2	2	431	354	4	2
Superior (C)	368	202	1	2	310	0	3	0
Balance of County	179	2	1	0	121	354	1	2
DUNN	398	361	0	0	253	196	6	3
Menomonie (C)	120	359	0	0	102	0	2	0
Menomonie (T)	34	0	0	0	12	0	2	0
Balance of County	244	2	0	0	139	196	2	3
EAU CLAIRE	1,178	1,646	11	10	615	787	9	10
Altoona (C)	80	0	1	0	45	0	2	0
Eau Claire (C) (Pt.)	780	1,635	5	10	416	0	4	0
Seymour (T)	31	0	1	0	12	0	0	0
Union (T)	32	1	0	0	8	0	0	0
Washington (T)	78	0	2	0	26	0	1	0
Balance of County	177	10	2	0	108	787	2	10
FLORENCE	45	0	0	0	50	27	1	0
FOND DU LAC	1,247	1,350	13	15	786	784	6	3
Fond du Lac (C)	538	1,244	8	15	405	0	2	0
Fond du Lac (T)	17	0	0	0	10	0	1	0
North Fond du Lac (V)	58	0	0	0	30	0	0	0
Ripon (C)	79	101	1	0	82	0	0	0
Taycheedah (T)	54	0	0	0	11	0	0	0
Waupun (C) (Pt.)	33	0	1	0	15	0	0	0
Balance of County	468	5	3	0	233	784	3	3
FOREST	152	0	0	0	111	58	1	0
GRANT	713	486	3	2	487	422	6	2
Boscobel (C)	42	86	0	1	54	0	0	0
Lancaster (C)	82	202	0	0	55	0	1	0
Platteville (C)	121	192	0	1	78	0	0	0
Balance of County	468	6	3	0	300	422	5	2

Table 1.6

LIVE BIRTHS, FETAL DEATHS, DEATHS AND INFANT DEATHS
BY COUNTY, SELECTED MINOR CIVIL DIVISIONS AND BALANCE OF COUNTY
WISCONSIN 1987

(Resident and Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths: All Deaths		Deaths: Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
GREEN	404	404	1	0	280	327	6	8
Brodhead (C)	54	0	0	0	37	0	1	0
Monroe (C)	120	403	0	0	91	0	1	0
Balance of County	230	1	1	0	152	327	4	8
GREEN LAKE	230	285	2	1	216	188	2	1
Berlin (C) (Pt.)	76	282	0	1	63	0	1	0
Balance of County	154	3	2	0	153	188	1	1
IOWA	305	203	2	1	202	150	1	0
Dodgeville (C)	50	203	0	1	39	0	0	0
Balance of County	255	0	2	0	163	150	1	0
IRON	68	0	0	0	77	45	0	0
JACKSON	230	198	4	2	187	162	2	1
Black River Falls (C)	46	197	0	2	87	0	1	0
Balance of County	184	1	4	0	100	162	1	1
JEFFERSON	901	320	3	0	581	433	7	2
Ft. Atkinson (C)	121	317	1	0	110	0	0	0
Ixonia (T)	36	0	0	0	9	0	0	0
Jefferson (C)	84	0	0	0	51	0	0	0
Jefferson (T)	17	0	0	0	53	0	0	0
Koshkonong (T)	25	0	0	0	19	0	1	0
Lake Mills (C)	67	1	0	0	57	0	0	0
Waterloo (C)	49	0	0	0	18	0	0	0
Watertown (C) (Pt.)	203	1	1	0	123	0	1	0
Whitewater (C) (Pt.)	23	0	0	0	2	0	0	0
Balance of County	276	1	1	0	139	433	5	2
JUNEAU	323	175	3	3	240	163	3	1
Mauston (C)	56	173	1	3	49	0	0	0
Balance of County	267	2	2	0	191	163	3	1
KENOSHA	1,931	1,517	14	10	1,073	947	21	14
Bristol (T)	51	0	0	0	21	0	1	0
Kenosha (C)	1,312	1,517	14	10	786	0	14	0
Pleasant Prairie (T)	111	0	0	0	76	0	1	0
Salem (T)	71	0	0	0	44	0	1	0
Somers (T)	101	0	0	0	35	0	1	0
Twin Lakes (V)	56	0	0	0	33	0	1	0
Wheatland (T)	49	0	0	0	20	0	0	0
Balance of County	180	0	0	0	58	947	2	14
KEWAUNEE	301	94	0	0	178	133	3	0
Algoma (C)	38	2	0	0	46	0	0	0
Kewaunee (C)	49	90	0	0	46	0	2	0
Balance of County	214	2	0	0	86	133	1	0
LA CROSSE	1,365	2,508	6	14	858	1,218	16	26
Campbell (T)	43	0	0	0	35	0	0	0
Holmen (V)	56	0	1	0	11	0	0	0
La Crosse (C)	702	2,505	4	14	567	0	13	0
Onalaska (C)	188	1	1	0	87	0	1	0
Onalaska (T)	82	0	0	0	15	0	0	0
Shelby (T)	50	0	0	0	22	0	0	0
West Salem (V)	56	0	0	0	44	0	1	0
Balance of County	188	2	0	0	77	1,218	1	26
LAFAYETTE	229	94	0	0	160	111	1	1
LANGLADE	249	255	2	1	207	199	2	1
Antigo (C)	97	252	0	1	112	0	1	0
Balance of County	152	3	2	0	95	199	1	1
LINCOLN	349	226	1	0	313	273	1	1
Merrill (C)	140	175	1	0	143	0	0	0
Merrill (T)	36	2	0	0	21	0	0	0
Tomahawk (C)	53	48	0	0	76	0	0	0
Balance of County	120	1	0	0	73	273	1	1

Table 1.6

LIVE BIRTHS, FETAL DEATHS, DEATHS AND INFANT DEATHS
BY COUNTY, SELECTED MINOR CIVIL DIVISIONS AND BALANCE OF COUNTY
WISCONSIN 1987

(Resident and Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths: All Deaths		Deaths: Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
MANITOWOC	1,136	961	8	7	830	739	6	2
Kiel (C) (Pt.)	30	0	1	0	34	0	0	0
Manitowoc (C)	440	599	4	5	477	0	3	0
Manitowoc Rapids (T)	30	0	0	0	19	0	0	0
Two Rivers (C)	182	360	1	2	130	0	1	0
Balance of County	454	2	2	0	170	739	2	2
MARATHON	1,644	1,523	12	8	881	844	14	8
Kronenwetter (T)	75	0	0	0	18	0	2	0
Marshfield (C) (Pt.)	4	0	0	0	5	0	0	0
Mosinee (C)	54	0	0	0	34	0	0	0
Rib Mountain (T)	57	0	2	0	20	0	0	0
Rothschild (V)	53	0	0	0	23	0	0	0
Stettin (T)	33	0	0	0	6	0	0	0
Wausau (C)	529	1,517	6	8	419	0	7	0
Weston (T)	165	0	0	0	69	0	2	0
Balance of County	674	6	4	0	287	844	3	8
MARINETTE	535	573	1	0	455	396	2	1
Marinette (C)	152	568	0	0	157	0	1	0
Peshtigo (C)	35	2	0	0	78	0	0	0
Peshtigo (T)	51	0	0	0	22	0	0	0
Balance of County	297	3	1	0	198	396	1	1
MARQUETTE	169	7	0	0	147	52	4	0
MENOMINEE	138	1	1	0	36	15	2	0
Menominee (T)	104	1	0	0	13	0	0	0
Balance of County	34	0	1	0	23	15	2	0
MILWAUKEE	16,035	18,020	133	144	9,430	10,367	172	245
Bayside (V) (Pt.)	35	0	0	0	71	0	0	0
Brown Deer (V)	124	0	1	0	70	0	2	0
Cudahy (C)	249	303	2	1	155	0	3	0
Fox Point (V)	89	0	0	0	58	0	1	0
Franklin (C)	268	0	1	0	92	0	1	0
Glendale (C)	111	0	1	0	281	0	1	0
Greendale (V)	166	1	0	0	88	0	1	0
Greenfield (C)	329	3	4	0	362	0	2	0
Hales Corners (V)	92	1	2	0	57	0	0	0
Milwaukee (C) (Pt.)	12,046	15,060	110	124	6,222	0	147	0
Oak Creek (C)	221	2	2	0	98	0	1	0
Shorewood (V)	170	1	2	0	137	0	0	0
South Milwaukee (C)	232	0	2	0	179	0	0	0
St. Francis (C)	113	0	0	0	83	0	0	0
Wauwatosa (C)	637	818	4	15	553	0	6	0
West Allis (C)	874	1,830	1	4	792	0	7	0
West Milwaukee (V)	50	1	0	0	39	0	0	0
Whitefish Bay (V)	209	0	1	0	84	0	0	0
Balance of County	20	0	0	0	9	10,367	0	245
MONROE	552	382	3	2	347	352	3	1
Sparta (C)	113	161	0	0	87	0	0	0
Tomah (C)	91	190	1	2	100	0	0	0
Balance of County	348	31	2	0	160	352	3	1
OCONTO	413	180	4	1	308	270	4	2
Little Suamico (T)	43	1	1	0	12	0	0	0
Oconto (C)	74	49	0	0	70	0	1	0
Oconto Falls (C)	33	129	1	1	47	0	2	0
Balance of County	263	1	2	0	179	270	1	2
ONEIDA	373	758	0	2	347	447	4	5
Minocqua (T)	29	0	0	0	38	0	0	0
Pelican (T)	37	0	0	0	24	0	0	0
Pine Lake (T)	24	0	0	0	23	0	0	0
Rhinelander (C)	98	534	0	0	119	0	3	0
Balance of County	185	224	0	2	143	447	1	5

Table 1.6

LIVE BIRTHS, FETAL DEATHS, DEATHS AND INFANT DEATHS
BY COUNTY, SELECTED MINOR CIVIL DIVISIONS AND BALANCE OF COUNTY
WISCONSIN 1987

(Resident and Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths			
					All Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
OUTAGAMIE	2,227	2,621	6	10	929	1,041	13	7
Appleton (C) (Pt.)	989	2,528	3	8	461	0	8	0
Center (T)	37	0	0	0	15	0	0	0
Freedom (T)	51	0	0	0	15	0	0	0
Grand Chute (T)	160	0	1	0	48	0	0	0
Greenville (T)	48	0	0	0	8	0	0	0
Kaukauna (C)	228	131	0	1	93	0	2	0
Kimberly (V)	81	0	1	0	28	0	0	0
Little Chute (V)	142	3	0	0	62	0	0	0
New London (C) (Pt.)	16	157	0	1	6	0	0	0
Oneida (T)	65	0	0	0	30	0	1	0
Seymour (C)	49	0	0	0	46	0	1	0
Balance of County	361	2	1	0	117	1,041	1	7
OZAUKEE	955	254	1	0	463	315	8	1
Bayside (V) (Pt.)	1	0	0	0	0	0	0	0
Cedarburg (C)	149	1	0	0	109	0	3	0
Cedarburg (T)	21	1	0	0	16	0	0	0
Grafton (T)	17	0	0	0	7	0	0	0
Grafton (V)	167	3	0	0	59	0	1	0
Mequon (C)	197	4	1	0	127	0	3	0
Port Washington (C)	166	239	0	0	56	0	0	0
Saukville (V)	79	3	0	0	8	0	1	0
Thiensville (V)	41	1	0	0	24	0	0	0
Balance of County	117	2	0	0	57	315	0	1
PEPIN	97	102	0	0	72	73	0	0
PIERCE	434	1	2	0	212	135	4	0
Ellsworth (V)	35	1	2	0	38	0	1	0
Prescott (C)	65	0	0	0	27	0	0	0
River Falls (C) (Pt.)	86	0	0	0	26	0	1	0
Balance of County	248	0	0	0	121	135	2	0
POLK	506	473	3	3	352	306	2	1
Amery (C)	43	135	0	1	83	0	0	0
Balance of County	463	338	3	2	269	306	2	1
PORTAGE	818	860	3	4	429	390	5	3
Hull (T)	86	3	0	0	22	0	0	0
Plover (V)	110	0	1	0	25	0	0	0
Stevens Point (C)	249	834	0	4	195	0	4	0
Stockton (T)	40	2	0	0	13	0	0	0
Balance of County	333	21	2	0	174	390	1	3
PRICE	182	129	0	0	172	143	0	0
Park Falls (C)	31	128	0	0	51	0	0	0
Balance of County	151	1	0	0	121	143	0	0
RACINE	2,661	2,740	9	8	1,425	1,346	23	10
Burlington (C) (Pt.)	130	548	0	1	91	0	0	0
Burlington (T)	74	1	0	0	38	0	1	0
Caledonia (T)	201	1	2	0	113	0	1	0
Dover (T)	42	1	0	0	22	0	0	0
Mt. Pleasant (T)	187	0	1	0	152	0	1	0
Norway (T)	39	0	0	0	12	0	0	0
Racine (C)	1,607	2,189	4	6	829	0	16	0
Raymond (T)	34	0	0	0	9	0	1	0
Sturdevant (V)	74	0	0	0	19	0	0	0
Union Grove (V)	66	0	0	0	36	0	2	0
Waterford (T)	32	0	1	0	20	0	0	0
Yorkville (T)	32	0	0	0	20	0	0	0
Balance of County	143	0	1	1	64	1,346	1	10
RICHLAND	246	240	2	0	194	160	1	1
Richland Center (C)	65	238	0	0	70	0	0	0
Balance of County	181	2	2	0	124	160	1	1

Table 1.6

LIVE BIRTHS, FETAL DEATHS, DEATHS AND INFANT DEATHS
BY COUNTY, SELECTED MINOR CIVIL DIVISIONS AND BALANCE OF COUNTY
WISCONSIN 1987

(Resident and Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths: All Deaths		Deaths: Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
ROCK	2,106	2,252	15	16	1,200	1,129	24	15
Beloit (C)	608	812	6	7	337	0	6	0
Beloit (T)	75	0	1	0	60	0	4	0
Edgerton (C)	61	66	0	0	61	0	0	0
Evansville (C)	44	0	0	0	30	0	1	0
Fulton (T)	37	0	0	0	16	0	0	0
Janesville (C)	852	1,373	5	9	392	0	11	0
Janesville (T)	42	0	0	0	56	0	0	0
Milton (C)	74	0	2	0	36	0	0	0
Rock (T)	34	0	0	0	58	0	0	0
Turtle (T)	21	0	0	0	12	0	0	0
Balance of County	258	1	1	0	142	1,129	2	15
RUSK	203	187	1	1	159	126	5	3
Ladysmith (C)	58	187	0	1	59	0	0	0
Balance of County	145	0	1	0	100	126	5	3
ST.CROIX	824	695	6	7	396	390	4	3
Hudson (C)	157	214	1	4	57	0	0	0
Hudson (T)	41	0	3	0	5	0	0	0
New Richmond (C)	108	167	1	1	49	0	1	0
North Hudson (V)	23	0	0	0	8	0	1	0
River Falls (C) (Pt.)	35	219	0	2	58	0	0	0
Troy (T)	26	0	0	0	6	0	0	0
Balance of County	434	95	1	0	213	390	2	3
SAUK	671	676	13	4	433	440	5	2
Baraboo (C)	128	272	0	1	97	0	2	0
Reedsburg (C)	87	222	0	1	59	0	1	0
Sauk City (V)	32	0	3	0	33	0	0	0
Wisconsin Dells (C) (Pt.)	11	0	0	0	2	0	1	0
Balance of County	413	182	10	2	242	440	1	2
SAWYER	228	75	0	0	169	139	0	0
SHAWANO	507	376	2	1	396	332	6	4
Shawano (C)	101	374	2	1	131	0	2	0
Wescott (T)	33	0	0	0	20	0	0	0
Balance of County	373	2	0	0	245	332	4	4
SHEBOYGAN	1,379	1,423	10	8	916	886	20	13
Holland (T)	27	0	0	0	9	0	0	0
Lima (T)	24	0	0	0	14	0	0	0
Plymouth (C)	91	115	0	1	53	0	2	0
Plymouth (T)	33	0	1	0	44	0	2	0
Sheboygan (C)	708	1,301	2	7	558	0	12	0
Sheboygan (T)	47	2	1	0	17	0	0	0
Sheboygan Falls (C)	84	1	0	0	55	0	1	0
Wilson (T)	33	1	0	0	9	0	0	0
Balance of County	332	3	6	0	157	886	3	13
TAYLOR	280	252	0	0	160	124	5	3
Medford (C)	63	243	0	0	59	0	2	0
Balance of County	217	9	0	0	101	124	3	3
TREMPEALEAU	324	98	2	2	319	233	6	3
VERNON	328	344	0	0	287	258	3	2
Viroqua (C)	47	230	0	0	66	0	1	0
Balance of County	281	114	0	0	221	258	2	2
VILAS	228	85	0	0	208	130	2	3
Arbor Vitae (T)	21	0	0	0	24	0	0	0
Balance of County	207	85	0	0	184	130	2	3

Table 1.6

LIVE BIRTHS, FETAL DEATHS, DEATHS AND INFANT DEATHS
BY COUNTY, SELECTED MINOR CIVIL DIVISIONS AND BALANCE OF COUNTY
WISCONSIN 1987

(Resident and Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths: All Deaths		Deaths: Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
WALWORTH	914	415	6	2	699	565	6	3
Bloomfield (T)	26	0	0	0	27	0	0	0
Delavan (C)	104	0	1	0	60	0	1	0
Delavan (T)	64	0	0	0	46	0	1	0
East Troy (T)	48	0	0	0	22	0	0	0
East Troy (V)	43	0	0	0	31	0	0	0
Elkhorn (C)	100	0	1	0	50	0	0	0
Geneva (T)	28	412	0	2	87	0	1	0
Lake Geneva (C)	71	0	0	0	57	0	0	0
Lyons (T)	37	0	0	0	22	0	0	0
Sugar Creek (T)	29	0	0	0	20	0	0	0
White Water (C) (Pt.)	58	0	1	0	83	0	0	0
Balance of County	306	3	3	0	194	565	3	3
WASHBURN	171	227	0	0	153	154	1	0
Spooner (C)	33	167	0	0	51	0	0	0
Balance of County	138	60	0	0	102	154	1	0
WASHINGTON	1,305	878	10	7	626	532	9	4
Addison (T)	44	1	1	0	12	0	0	0
Barton (T)	27	0	1	0	10	0	0	0
Erin (T)	19	0	0	0	7	0	1	0
Germantown (V)	195	1	1	0	56	0	2	0
Hartford (C)	153	259	1	2	71	0	2	0
Hartford (T)	35	0	0	0	23	0	0	0
Jackson (T)	37	0	0	0	14	0	0	0
Polk (T)	51	0	1	0	9	0	0	0
Richfield (T)	82	3	1	0	29	0	0	0
Trenton (T)	37	0	0	0	17	0	0	0
West Bend (C)	380	609	2	5	198	0	3	0
West Bend (T)	26	1	0	0	90	0	0	0
Balance of County	219	4	2	0	90	532	1	4
WAUKESHA	3,779	3,851	12	13	1,836	1,776	20	9
Brookfield (C)	371	845	0	5	222	0	2	0
Brookfield (T)	34	0	0	0	15	0	0	0
Delafield (C)	59	0	1	0	35	0	0	0
Delafield (T)	55	1	0	0	11	0	1	0
Elm Grove (V)	52	0	1	0	78	0	1	0
Genesee (T)	48	0	0	0	12	0	0	0
Hartland (V)	131	0	1	0	33	0	3	0
Lisbon (T)	69	1	0	0	28	0	0	0
Menomonee Falls (V)	312	1,053	2	3	165	0	1	0
Merton (T)	56	0	0	0	26	0	0	0
Mukwonago (T)	73	0	0	0	15	0	0	0
Mukwonago (V)	78	0	0	0	14	0	0	0
Muskego (C)	203	1	0	0	88	0	0	0
New Berlin (C)	370	2	2	0	148	0	2	0
Oconomowoc (C)	138	539	1	2	143	0	1	0
Oconomowoc (T)	61	0	0	0	33	0	0	0
Ottawa (T)	29	0	0	0	13	0	0	0
Pewaukee (T)	58	1	0	0	72	0	0	0
Pewaukee (V)	125	0	0	0	83	0	1	0
Summit (T)	34	0	0	0	18	0	0	0
Sussex (V)	92	1	0	0	34	0	0	0
Vernon (T)	73	0	0	0	19	0	1	0
Waukesha (C)	960	1,406	3	3	404	0	6	0
Waukesha (T)	79	0	1	0	31	0	0	0
Balance of County	219	1	0	0	96	1,776	1	9
WAUPACA	597	310	3	0	626	538	1	1
Clintonville (C)	52	110	0	0	85	0	0	0
Farmington (T)	28	1	1	0	108	0	0	0
New London (C) (Pt.)	86	0	1	0	68	0	0	0
Waupaca (C)	71	183	0	0	101	0	1	0
Balance of County	360	16	1	0	264	538	0	1
WAUSHARA	259	35	1	1	200	130	4	2
Berlin (C) (Pt.)	1	0	0	0	2	0	0	0
Balance of County	258	35	1	1	198	130	4	2

Table 1.6

LIVE BIRTHS, FETAL DEATHS, DEATHS AND INFANT DEATHS
BY COUNTY, SELECTED MINOR CIVIL DIVISIONS AND BALANCE OF COUNTY
WISCONSIN 1987

(Resident and Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths: All Deaths		Deaths: Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
WINNEBAGO	1,894	2,154	17	14	1,093	1,140	11	25
Algoma (T)	33	0	0	0	10	0	0	0
Appleton (C) (Pt.)	5	0	0	0	7	0	0	0
Menasha (C) (Pt.)	233	1	3	0	97	0	3	0
Menasha (T)	181	0	0	0	68	0	2	0
Neenah (C)	369	1,416	7	10	168	0	1	0
Neenah (T)	32	0	0	0	15	0	0	0
Omro (C)	53	1	0	0	51	0	0	0
Oshkosh (C)	681	736	5	4	501	0	4	0
Oshkosh (T)	48	0	0	0	78	0	1	0
Balance of County	259	0	2	0	98	1,140	0	25
WOOD	1,061	1,849	3	11	636	1,055	11	29
Grand Rapids (T)	102	0	0	0	31	0	0	0
Marshfield (C) (Pt.)	279	1,225	1	10	177	0	1	0
Nekoosa (C)	30	0	1	0	27	0	0	0
Saratoga (T)	54	0	0	0	27	0	1	0
Wisconsin Rapids (C)	289	624	0	1	212	0	8	0
Balance of County	307	0	1	0	162	1,055	1	29

TABLE 1.7

LIVE BIRTHS BY AGE OF MOTHER
BY BIRTH WEIGHT AND RACE OF MOTHER
WISCONSIN 1987

(RESIDENT DATA)

BIRTH WEIGHT - ALL RACES

AGE OF MOTHER	TOTAL	<1500 GRAMS NUMBER	<1500 GRAMS %	1500-2499 GRAMS NUMBER	1500-2499 GRAMS %	2500+ GRAMS NUMBER	2500+ GRAMS %
TOTAL	70,902	695	100.0	3,154	100.0	67,053	100.0
<15	114	8	1.2	7	0.2	99	0.1
15-17	2,369	36	5.2	146	4.6	2,187	3.3
18-19	4,425	71	10.2	286	9.1	4,068	6.1
20-24	19,012	197	28.3	900	28.5	17,915	26.7
25-29	25,392	214	30.8	973	30.8	24,205	36.1
30-34	14,708	111	16.0	621	19.7	13,976	20.8
35-39	4,353	50	7.2	193	6.1	4,110	6.1
40-44	498	7	1.0	28	0.9	463	0.7
45+	30	1	0.1			29	0.0
UNKNOWN	1					1	0.0

BIRTH WEIGHT - WHITE

AGE OF MOTHER	TOTAL	<1500 GRAMS NUMBER	<1500 GRAMS %	1500-2499 GRAMS NUMBER	1500-2499 GRAMS %	2500+ GRAMS NUMBER	2500+ GRAMS %
TOTAL	62,910	504	100.0	2,466	100.0	59,940	100.0
<15	30	1	0.2	2	0.1	27	0.0
15-17	1,437	21	4.2	63	2.6	1,353	2.3
18-19	3,241	50	9.9	178	7.2	3,013	5.0
20-24	16,332	129	25.6	651	26.4	15,552	25.9
25-29	23,586	172	34.1	840	34.1	22,574	37.7
30-34	13,764	82	16.3	532	21.6	13,150	21.9
35-39	4,065	42	8.3	175	7.1	3,848	6.4
40-44	434	6	1.2	25	1.0	403	0.7
45+	20	1	0.2			19	0.0
UNKNOWN	1					1	0.0

BIRTH WEIGHT - BLACK

AGE OF MOTHER	TOTAL	<1500 GRAMS NUMBER	<1500 GRAMS %	1500-2499 GRAMS NUMBER	1500-2499 GRAMS %	2500+ GRAMS NUMBER	2500+ GRAMS %
TOTAL	6,026	165	100.0	612	100.0	5,249	100.0
<15	78	6	3.6	4	0.7	68	1.3
15-17	834	14	8.5	77	12.6	743	14.2
18-19	991	17	10.3	100	16.3	874	16.7
20-24	2,091	64	38.8	223	36.4	1,804	34.4
25-29	1,262	37	22.4	118	19.3	1,107	21.1
30-34	579	19	11.5	73	11.9	487	9.3
35-39	173	7	4.2	16	2.6	150	2.9
40-44	18	1	0.6	1	0.2	16	0.3
45+							
UNKNOWN							

BIRTH WEIGHT - OTHER RACE

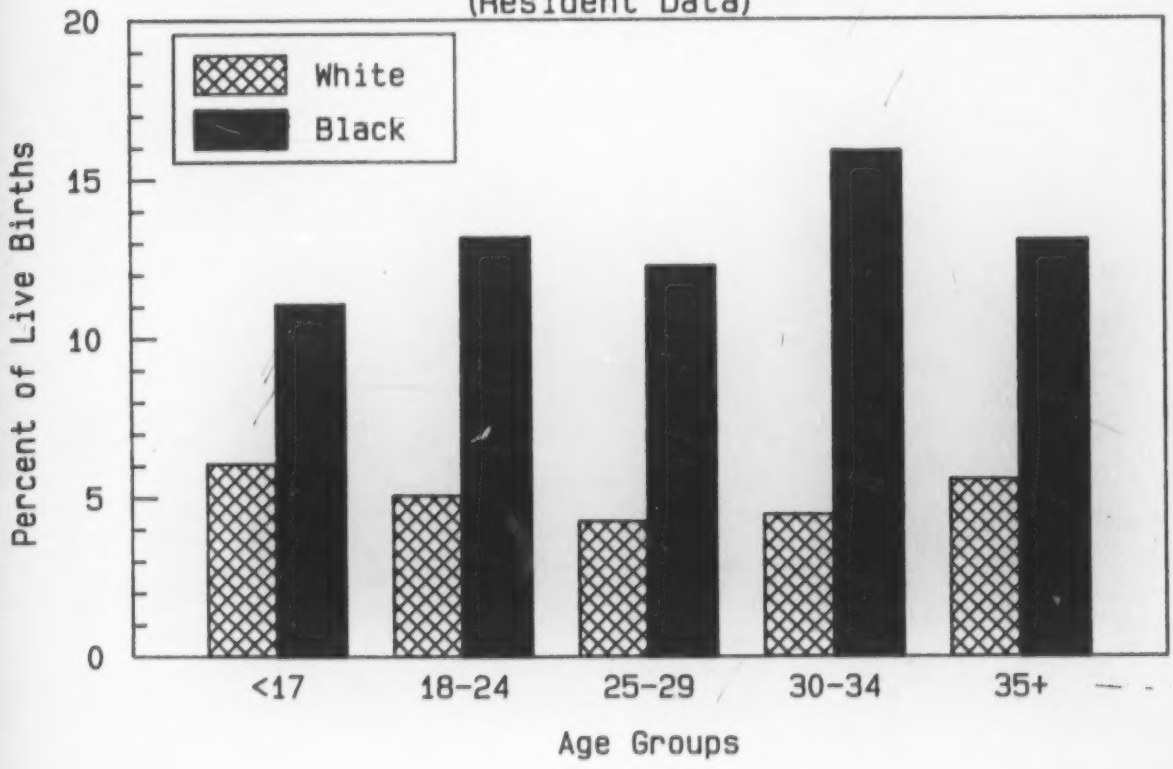
AGE OF MOTHER	TOTAL	<1500 GRAMS NUMBER	<1500 GRAMS %	1500-2499 GRAMS NUMBER	1500-2499 GRAMS %	2500+ GRAMS NUMBER	2500+ GRAMS %
TOTAL	1,966	26	100.0	76	100.0	1,864	100.0
<15	6	1	3.8	1	1.3	4	0.2
15-17	98	1	3.8	6	7.9	91	4.9
18-19	193	4	15.4	8	10.5	181	9.7
20-24	589	4	15.4	26	34.2	559	30.0
25-29	544	5	19.2	15	19.7	524	28.1
30-34	365	10	38.5	16	21.1	339	18.2
35-39	115	1	3.8	2	2.6	112	6.0
40-44	46			2	2.6	44	2.4
45+	10					10	0.5
UNKNOWN							

NOTE: THERE WERE 5 OBSERVATIONS WHERE BIRTH WEIGHT WAS UNREPORTED; THESE WERE NOT INCLUDED IN THIS TABLE.
THERE WAS 1 OBSERVATION WHERE RACE WAS UNREPORTED; THIS WAS INCLUDED IN THE "OTHER" CATEGORY.

Figure 5

LOW BIRTH WEIGHT INFANTS, BY MOTHER'S RACE BY AGE OF MOTHER, WISCONSIN 1987

(Resident Data)



MORTALITY

Total Deaths: Deaths of Wisconsin residents totaled 42,074 in 1987, virtually the same number as in 1986 (42,027 deaths). The 1987 death rate was 8.8 per 1,000 population. Only small fluctuations have occurred in the Wisconsin annual death rate since 1975, with rates ranging from 8.4 to 8.8. Prior to 1975, the annual death rate had never fallen below 9.0 (Table R 1.6).

Infant Deaths: Total resident infant deaths numbered 611 in 1987, a decrease of 8.4 percent from the 667 recorded in 1986. The 1987 infant death rate of 8.6 per 1,000 live births is the lowest recorded for Wisconsin, and compares with rates of 9.2 per 1,000 live births in both 1985 and 1986. Over the past six decades, the infant death rate has declined substantially. The rate equaled 10.2 in 1980, 16.9 in 1970, 21.8 in 1960, 25.5 in 1950, 36.0 in 1940 and 55.6 in 1930 (Table R 1.6).

Just over half (50.7 percent) of all infant deaths occurred during the first week of life while 41.0 percent occurred in the postneonatal period (age 28 to 364 days). Nearly three-fifths (58.8 percent) occurred during the neonatal period (the first 27 days of life). Over three-fourths (78.8 percent) of infant deaths that occurred during the neonatal period occurred among infants of low and very low birth weights (Table 2.1).

By race, the number of white infant deaths declined from 531 in 1986 to 482 in 1987. The rate decreased from 8.2 to 7.7 per 1,000 live births. Among minority groups, the number of infant deaths also decreased, from 135 in 1986 to 129 in 1987 with the infant death rate moving from 17.6 to 16.1 per 1,000 live births. The 1987 infant death rate for minority groups, nevertheless, represented a rate more than double that of white infants. The difference in infant mortality rates between the white and minority populations has changed little in recent years. The small change that occurred is in the direction of widening the difference (Table C).

Table C

Infant Deaths, White and Nonwhite
Wisconsin, 1983-1987

	Total		White		Nonwhite	
Year	Number	Rate	Number	Rate	Number	Rate
1983	699	9.6	585	8.9	109	15.8
1984	723	9.9	598	9.0	125	18.8
1985	674	9.2	561	8.4	112	15.6
1986	668	9.2	531	8.2	135	17.6
1987	611	8.6	482	7.7	129	16.1

Leading Causes of Death: Heart disease remained the leading cause of death in Wisconsin in 1987, accounting for 15,667 resident deaths. This total represented 37.2 percent of all resident deaths (Table 2.2). Malignant neoplasms (cancer) ranked second (9,423 deaths, or 22.4 percent of all deaths) and cerebrovascular disease (stroke) ranked third (3,389 deaths, or 8.1 percent). Combined, these three leading causes accounted for nearly 68 percent of total Wisconsin resident deaths in 1987. Other leading causes of death, in order of occurrence, included: accidents and adverse effects (unintentional fatal injuries); pneumonia and influenza; chronic obstructive pulmonary disease; diabetes mellitus; suicide; other arterial disease and atherosclerosis.

Heart disease also showed the highest cause-specific death rate at 325.8 per 100,000 population. Malignant neoplasms are second with a death rate of 195.9, followed by cerebrovascular disease at 70.5, and accidental injury deaths at 33.9.

Age- and Sex-Specific Death Rates: The top row of Table 2.5 depicts death rates per 100,000 population by age and sex. In every age group, the death rate for males consistently exceeds the death rate for females, often by wide margins. For example, among the groups comprising those aged 5 through 39, the male death rate for each group is more than twice the female rate for that group. The greatest percentage difference occurred among those aged 20 to 29, where the male death rate was triple the female rate. (Among males aged 20 to 24 and 25 to 29, the death rate is 139.3 and 133.3 per 100,000 population, respectively. Corresponding death rates for females are 47.0 and 44.8 per 100,000). Only among the very youngest (those aged 4 and younger) and the very oldest (those aged 90 and over) are male and female death rates somewhat comparable.

Leading Causes of Death by Sex: Heart disease, malignant neoplasms and cerebrovascular disease represented the three leading causes of death for both males and females in Wisconsin. Death rates due to both heart disease and malignant neoplasms were somewhat higher for males than for females, while females had a higher death rate for cerebrovascular diseases.

Considerably greater sex-specific differences occurred among other leading causes of death. For example, the male death rate for accidents and adverse effects is over twice the female rate (47.4 and 21.0 per 100,000 population) (Table 2.8). Accidents and adverse effects accounted for 1,115 male deaths and 517 female deaths in 1987; more than twice as many males (570) as females (248) died as a result of motor vehicle accidents.

The death rate for males due to reported suicide (23.3 per 100,000 population) exceeded the female suicide rate (5.4) by a ratio of over four to one. Male suicides in 1987 totaled 548, while female suicides totaled 132. The 680 total suicides reported in Wisconsin in 1987 represent a record high number; however, rates were higher in 1942, 1947 and throughout the 1920s and 1930s. The 1987 death rate due to reported suicide equaled 14.1 per 100,000 population, compared to 12.4 per 100,000 in 1986. Information from coroners and medical examiners suggests that part of this increase may be due to improved reporting.

The male death rate due to chronic obstructive pulmonary disease, (40.8 per 100,000 population) was nearly twice the female rate (21.7). Conditions in this cause-of-death category include bronchitis, emphysema, asthma and other chronic pulmonary conditions. This cause-of-death category is chiefly associated with smoking. Resident deaths coded to this category totaled 959 for males and 533 for females.

Leading Causes of Death by Age: Among infants aged less than one year, conditions of the perinatal period and congenital anomalies ranked as the leading causes of death. Among children aged 1 through 14, accidents and adverse effects caused almost half (47.8 percent) of all deaths, with male deaths exceeding female deaths by a margin of over two to one.

Motor vehicle fatalities accounted for over one-third of total deaths among persons aged 15 to 29 (35.8 percent of male deaths and 36.2 percent of female deaths). Suicide ranked as the second leading cause of death among both males and females in this age group, although male suicides outnumbered female suicides by over five to one (182 compared to 35, with rates of 31.2 and 6.0 per 100,000 population). Also, homicide ranked as the third leading cause of death for males aged 15 to 29, accounting for 6.5 percent of all male deaths in this age group. Male homicides totaled 47 compared to 21 female homicides with rates of 8.1 and 3.6 per 100,000 population respectively.

Among Wisconsin residents aged 35 to 39, heart disease emerges as the second leading cause of death among males (accidents and adverse effects still ranked first) and malignant neoplasms as the leading cause of death among females (Table 2.5). For each subsequent age group, heart disease represented the leading cause of male deaths. In fact, among persons aged 40 to 65, male deaths due to heart disease were double those for females. Among females aged 35 to 70, cancer ranked as the leading cause of death; after age 70 cancer ranked second behind heart disease.

Among those aged 80 and older, heart disease, cancer and stroke ranked as the three leading causes of death, as they did for all age groups combined. Among females aged 85 and older, however, strokes accounted for more deaths than cancer. Also, a significant number of deaths among the elderly resulted from pneumonia and from accidents and adverse effects. Unlike the younger age groups, where motor vehicle accidents accounted for most accidental deaths, falls caused the majority of unintentional injury deaths among the elderly, particularly among elderly women (Table 2.6). In fact, among all persons aged 55 and older, female deaths due to falls far outnumbered male deaths.

Leading Causes of Death by Race: Of the three leading causes of death in Wisconsin, only heart disease showed a significant difference in percentage of total deaths by race. Heart disease accounted for 37.6 percent of total deaths among whites compared to 26.3 percent among blacks, 30.9 percent among American Indians and 15.8 percent among those of other races (for a combined percentage among minority groups of 26.4 percent). Percentages of total white and minority group deaths due to malignant neoplasms (22.4 and 20.9 percent, respectively) and cerebrovascular disease (8.1 and 6.4 percent) were more consistent (Table D).

In contrast to heart disease, certain other causes of death resulted in higher percentages for minority groups than for the white population. These causes included conditions of the perinatal period, homicide and suicide. For example, infant deaths due to conditions of the perinatal period resulted in 3.8 percent of total minority group deaths, compared to 0.5 percent of total white deaths.

Homicides accounted for 4.8 percent of total black deaths and 2.1 percent of American Indian deaths, compared to only 0.5 percent of total white deaths. Deaths among blacks due to homicide represented over one-third of all homicides in Wisconsin in 1987 (60 of 175, or 34.3 percent), even though blacks constituted only about 4 percent of the state's 1987 population.

Minority groups also showed somewhat higher percentages of total deaths reported as suicide (2.1 percent of total deaths among blacks, 2.6 percent among American Indians and 4.0 percent among those of other races, compared to 1.6 percent of total deaths among whites).

Table D

Percent Distribution of Leading Causes of Death by Race
Wisconsin, 1987

Cause of Death	Total Number	White Percent	Black Percent	Am.Ind. Percent	Other Percent
Heart Disease	15,667	37.7	26.3	30.9	15.8
Malignant Neoplasms	9,423	22.5	21.9	15.5	18.4
Cerbrovascular Disease	3,389	8.1	6.0	6.2	13.2
Accidents	1,632	3.8	5.6	8.3	9.2
Pneumonia & Influenza	1,501	3.6	2.1	3.1	1.3
Chronic Obstruct. Pulm.	1,492	3.6	2.5	3.6	1.3
Diabetes Mellitus	769	1.8	2.8	5.7	2.6
Suicide	680	1.6	2.1	2.6	4.0
Other Arterial Disease	522	1.3	.7	0	0
Atherosclerosis	460	1.1	.8	1.0	1.3
Chronic Liver Disease & Cirrhosis	415	1.0	1.3	3.1	0
Nephritis & Nephrosis	414	1.0	1.4	2.6	5.3
Septicemia	318	.7	1.4	.5	1.3
Perinatal	245	.5	4.0	.5	7.9
Congenital Anomalies	233	.5	1.6	1.6	6.6
Homicide	175	.3	4.8	2.1	0
All Other	4,739	11.1	14.8	12.9	11.8
Total	42,074	100.0	100.0	100.0	100.0

Note: Percent distributions by race are affected by age distribution by race. No adjustments have been applied to these percentages.

TABLE 2.1

FETAL AND INFANT DEATHS BY BIRTHWEIGHT GROUP,
BY RACE AND AGE OF MOTHER
WISCONSIN 1987

(RESIDENT DATA)

AGE OF MOTHER**	FETAL DEATHS					INFANT DEATHS*											
						TOTAL				< 28 DAYS			< 7 DAYS			<1 DAY		
	TOTAL	VLBW	LBW	NBW	UNK	TOTAL	VLBW	LBW	NBW	VLBW	LBW	NBW	VLBW	LBW	NBW	VLBW	LBW	NBW
RACE OF MOTHER - TOTAL																		
TOTAL	443	196	127	108	12	611	221	121	266	207	76	76	199	63	46	177	42	22
UNDER 15						2	1		1	1			1			1		
15	3	2	1			4	1		3	1		2	1		1	1		1
16	9	6	2	1		11	4	2	5	4			4			3		
17	22	14	6	2		20	10	2	8	9	2	2	9	2	1	8	1	
18	16	8	2	6		46	13	12	21	12	6	8	12	5	5	12	3	1
19	17	8	6	2	1	29	12	7	10	11	3	3	9	2	1	8	2	
20-24	106	41	35	27	3	190	59	39	91	53	24	22	51	20	12	40	12	5
25-29	129	55	38	31	5	171	69	28	74	66	19	19	64	16	16	58	12	11
30-34	95	42	26	26	1	96	33	23	40	31	19	17	30	16	8	29	11	2
35-39	36	14	9	11	2	32	16	5	10	16	2	3	16	2	2	15	1	2
40-44	10	6	2	2		8	3	2	3	3	1		2			2		
45+						1		1										
UNKNOWN						1												
RACE OF MOTHER - WHITE																		
TOTAL	364	158	100	98	8	482	162	101	218	153	65	59	148	54	35	130	38	19
15	1	1				3	1		2	1		1	1		1	1		1
16	5	3	1	1		8	3	1	4	3			3			2		
17	10	6	3	1		10	4	2	4	4	2		4	2		3	1	
18	14	7	1	6		32	7	9	16	6	4	4	6	4	3	6	3	1
19	13	6	4	2	1	25	11	5	9	10	2	3	8	1	1	7	1	
20-24	87	37	26	23	1	147	39	30	78	37	19	19	36	15	10	27	10	4
25-29	113	47	33	29	4	142	58	25	59	55	17	15	54	14	13	49	11	10
30-34	81	37	21	23		79	23	21	35	21	18	14	20	16	5	20	11	1
35-39	31	9	9	11	2	29	14	5	9	14	2	3	14	2	2	13	1	2
40-44	9	5	2	2		6	2	2	2	2	1		2			2		
45+						1		1										
RACE OF MOTHER - BLACK																		
TOTAL	69	34	25	7	3	104	51	16	37	46	7	13	44	5	7	41	2	2
UNDER 15						2	1		1	1			1			1		
15	2	1	1			1			1			1						
16	4	3	1			3	1	1	1	1			1			1		
17	11	8	3			10	6		4	5		2	5		1	5		
18	2	1	1			14	6	3	5	6	2	4	6	1	2	6		
19	3	2	1			2		2			1			1			1	
20-24	16	2	9	3	2	36	19	6	11	15	2	3	15	2	2	13	1	1
25-29	13	7	5	1		21	9	2	10	9	1	2	8	1	1	8		
30-34	12	4	4	3	1	11	6	2	3	6	1	1	6		1	5		1
35-39	5	5				3	2		1	2			2			2		
40-44	1	1				1	1			1								
RACE OF MOTHER - OTHER																		
TOTAL	10	4	2	3	1	25	8	4	11	8	4	4	7	4	4	6	2	1
17	1			1														
19	1		1			2	1		1	1			1			1		
20-24	3	2		1		7	1	3	2	1	3			3			1	
25-29	3	1		1	1	8	2	1	5	2	1	2	2	1	2	1	1	1
30-34	2	1	1			6	4		2	4		2	4		2	4		
40-44						1			1									

NOTE: VLBW - VERY LOW BIRTH WEIGHT (UNDER 1000 GRAMS)
LBW - LOW BIRTH WEIGHT (1000-2499 GRAMS)
NBW - NORMAL BIRTH WEIGHT (2500 GRAMS & UP)
UNK - UNKNOWN BIRTH WEIGHT

* THERE WERE 3 OBSERVATIONS WHERE INFANT BIRTH WEIGHT WAS UNREPORTED; THESE WERE NOT INCLUDED IN THIS TABLE.
** IF NO FETAL OR INFANT DEATHS OCCURRED TO AN "AGE OF MOTHER" GROUP, THEN THAT AGE GROUP WAS OMITTED.

TABLE 2.2

DEATHS BY CAUSE GROUP AND BY SEX
BY COUNTY
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		TOTAL	ADAMS	ASHLAND	BARRON	BAYFIELD	BROWN	BUFFALO	BURNETT	CALUMET	CHIPPEWA	CLARK	COLUMBIA	CRAWFORD
TOTAL		42074	173	213	461	157	1218	136	142	231	483	313	427	163
MALE		21775	102	103	245	92	639	74	83	131	272	154	223	80
FEMALE		20299	71	110	216	65	579	62	59	100	211	159	204	83
TUBERCULOSIS	010-018	29				1								
SEPTICEMIA	038	318	1	3	4	4	7	4	1		3	3	3	1
OTHER INFECTIONS AND PARASITIC	***	202			2		7				1	3	1	2
MALIGNANT NEOPLASMS	140-208	9423	44	42	95	39	267	31	33	48	108	70	97	38
LIP, ORAL CAVITY, PHARYNX	140-149	154				1	6				1	1	3	
DIGESTIVE ORG. AND PERITONEUM	150-159	2425	9	11	28	6	56	8	8	12	29	21	26	10
RESPIRATORY AND INTRATHORACIC	160-165	2267	9	11	26	11	64	9	9	16	23	11	25	10
BREAST	174-175	852	1	6	6	2	30	2		3	8	6	8	5
GENITAL ORGANS	179-187	1125	8	7	8	6	30	4	2	5	13	7	12	6
URINARY ORGANS	188-189	447	6		5	5	12	1	1	4	6	5	2	
OTHER AND UNSPEC SITES 170-173,	190-199	1211	6	1	11	4	42	4	5	4	15	11	18	4
OTHER LYMPH. AND HEMATOP.	200-203	569	5	2	7	2	16	3	4	3	4	4	2	3
LEUKEMIA	204-208	373		4	4	2	11		4	1	9	4	1	
BENIGN AND UNCERTAIN NEOPLASMS	210-239	109			1	1	4		1	2	3	2		
DIABETES MELLITUS	250	769	6	6	10	1	13	1	5	5	15	8	8	4
NUTRITIONAL DEFICIENCIES	260-269	74		1	1		1				3			
ANEMIAS	280-285	68	1	1			1				2	1		
MENINGITIS	320-322	19		1										
CIRCULATORY DISEASE	391-448	20214	85	96	222	70	603	68	78	120	233	156	198	78
HEART 391-398,402,	404-429	15667	52	75	172	52	472	47	65	97	175	124	152	60
RHEUMATIC FEVER	391-398	133			1		3			1	2	3	3	
HYPERTENSIVE HEART DISEASE	402	299				1	6	2		3	1	1	2	1
HYP. HEART AND RENAL DISEASE	404	52					5			1	4		1	
ISCHEMIC HEART DISEASE	410-414	11699	42	50	117	36	344	29	56	77	139	89	102	45
ACUTE (INCL/MYO. INFARC)	410-411	5944	29	32	67	27	217	23	45	51	63	54	62	30
CHRONIC (INCL. OLD M.I.)	412-414	5755	13	18	50	9	127	6	11	26	76	35	40	15
OTHER ENDOCARDIAL DISEASES	424	251		3	3	1	6			3	3	2	5	1
OTHER HEART DISEASE 415-423,	425-429	3233	10	22	51	14	108	16	9	12	26	29	39	13
HYPERTENSION W/ OR W/O RENAL	401,403	176		2	2		2			1	3	1	2	1
CEREBROVASCULAR DISEASES	430-438	3389	21	15	36	16	103	19	9	16	46	19	35	12
INTRACRANIAL HEMORRHAGE	431,432	423	3		8	3	11	4			7		7	1
CEREBRAL OCCLUSION	434	463	1	2	3	2	27	2	2	1	8	2	1	1
OTHER CEREBROVASC. 430,433,	435-438	2503	17	13	25	11	65	13	7	15	31	17	27	10
ATHEROSCLEROSIS	440	460	10	2	8	1	15	1	2	1	5	2	2	3
OTHER ARTERIAL DISEASE	441-448	522	2	2	4	1	11	1	2	5	4	10	7	2
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	6												
PNEUMONIA AND INFLUENZA	480-487	1501	6	5	13	2	41	3	4	5	16	8	19	6
PNEUMONIA	480-486	1480	6	5	13	2	41	3	4	5	16	8	18	6
CHRONIC OBSTRUCTIVE PULMONARY	490-496	1492	3	11	17	8	33	9	7	5	25	9	16	5
CHRONIC & UNSPEC. BRONCHITIS	490-491	68	1		1		4				1	1		
EMPHYSEMA	492	268	1		6	1	9	2	3		6	1	3	1
ASTHMA	493	92		1	1		1			1	2	2	2	
OTHER CHRONIC PULMONARY	494-496	1064	1	10	9	7	19	7	4	4	16	5	11	4
ULCER OF STOMACH AND DUODENUM	531-533	119		1		1	1	1	1		1		3	1
APPENDICITIS	540-543	7										1		
ABD. HERNIA & INTEST. OBSTR.	550-553,560	125		1	1	1	3			1	1	2	1	
CHRONIC LIVER DIS. AND CIRRHOSIS	571	415	5	2	4	1	11			3	3		6	3
CHOLELITHIASIS AND GALLBLADDER	574-575	59		1		1	1	1		1			1	
NEPHRITIS AND NEPHROSIS	580-589	414	5	2	9	2	9	1			3	4	5	2
INFECTIONS OF THE KIDNEY	590	33			1			1					2	
HYPERPLASIA OF THE PROSTATE	600	16					1							
COMPLICATIONS OF PREGNANCY	630-676	3												
OTHER COMPLICATIONS	640-676	3												
CONGENITAL ANOMALIES	740-759	233			2	3	11			1	3		1	
CONDITIONS OF PERINATAL PERIOD	760-779	245		1	7		10	1		2	3	2		
BIRTH TRAUMA	767-769	39			3		1			2				
OTHER PERINATAL CONDS.	760-766,770-779	206		1	4		9	1			3	2		
ILL DEFINED CONDITIONS	780-799	215	2	4	3	1	7			1	1		2	
ALL OTHER DISEASES		3433	8	22	38	11	100	7	9	20	32	32	36	15
ACCIDENTS AND ADVERSE EFFECTS	800-949	1632	3	11	24	5	55	6	3	14	17	7	17	6
MOTOR VEHICLE ACCIDENTS	810-825	818	2	4	11	3	29	2	3	6	10	3	10	1
OTHER 800-807,	826-949	814	1	7	13	2	26	4		8	7	4	7	5
SUICIDE	950-959	680	3	2	8	4	22	2		3	8	5	8	2
HOMICIDE AND LEGAL INTERVENT.	960-978	175	1		1	1	6				2			
ALL OTHER EXTERNAL CAUSES	980-999	46					4						1	

*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.2

DEATHS BY CAUSE GROUP AND BY SEX
BY COUNTY
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		DANE	DODGE	DOOR	DOUGLAS	DUNN	EAU CLAIRE	FLORENCE	FOND DU LAC	FOREST	GRANT	GREEN	GREEN LAKE	IOWA
TOTAL		2147	708	256	431	253	615	50	786	111	487	280	216	202
MALE		1048	382	149	200	142	323	32	401	71	240	155	109	119
FEMALE		1099	326	107	231	111	292	18	385	40	247	125	107	83
TUBERCULOSIS	010-018	2	1						1			1		
SEPTICEMIA	038	9	4		3	4	6	1	8	1	4		1	1
OTHER INFECTIONS AND PARASITIC	***	11	1	3	1	1	4		2	1	1			
MALIGNANT NEOPLASMS	140-208	487	145	53	98	40	141	10	175	23	105	49	48	40
LIP, ORAL CAVITY, PHARYNX	140-149	7	2	2	2	2	3		3		1	1	1	
DIGESTIVE ORG. AND PERITONEUM	150-159	103	40	16	29	13	32	3	47	2	22	8	11	13
RESPIRATORY AND INTRATHORACIC	160-165	121	25	12	20	9	30	2	42	8	21	18	12	9
BREAST	174-175	43	11	3	12	3	16	2	20		12	1	6	5
GENITAL ORGANS	179-187	59	27	11	6	3	18	1	14	2	10	6	5	5
URINARY ORGANS	188-189	24	6	3	6	2	8	1	8	2	8	7	3	1
OTHER AND UNSPEC SITES 170-173,	190-199	69	22		13	3	19	1	23	4	16	3	2	4
OTHER LYMPH. AND HEMATOP.	200-203	33	5	3	4	3	10		7	2	8	3	4	3
LEUKEMIA	204-208	28	7	3	6	2	5		11	3	7	2	2	
BENIGN AND UNCERTAIN NEOPLASMS	210-239	9	3		1	1	5		1		1		1	
DIABETES MELLITUS	250	36	12	6	5	1	14	1	13	1	14	3	6	3
NUTRITIONAL DEFICIENCIES	260-269	5	1			1	1		1	2	2			1
ANEMIAS	280-285	2	1				1							
MENINGITIS	320-322				1									
CIRCULATORY DISEASE	391-448	1023	367	135	228	126	286	27	368	56	232	140	114	104
HEART 391-398,402,	404-429	774	297	91	180	95	236	19	273	46	173	111	85	79
RHEUMATIC FEVER	391-398	10	4	1	1	1	1		3			3		1
HYPERTENSIVE HEART DISEASE	402	9	1	1	3		5	1	1		2	3		
HYP. HEART AND RENAL DISEASE	404	2							1					
ISCHEMIC HEART DISEASE	410-414	583	233	54	117	79	153	12	196	40	139	77	69	68
ACUTE (INCL/MYO. INFARC)	410-411	267	125	26	44	46	53	6	95	30	102	24	49	32
CHRONIC (INCL. OLD M.I.)	412-414	316	108	28	73	33	100	6	101	10	37	53	20	36
OTHER ENDOCARDIAL DISEASES	424	17	4	2	3	2	5		3		3	2	1	1
OTHER HEART DISEASE 415-423,	425-429	153	55	33	64	13	72	6	69	6	29	26	15	9
HYPERTENSION W/ OR W/O RENAL	401,403	6	3	2	1		2		14		4	2		1
CEREBROVASCULAR DISEASES	430-438	194	49	34	31	26	36	3	62	7	45	22	19	17
INTRACRANIAL HEMORRHAGE	431,432	31	8	2	4	1	7		6	1	5	2	5	2
CEREBRAL OCCLUSION	434	36	5	7	2	3	4		6	1	4	5	1	1
OTHER CEREBROVASC. 430,433,	435-438	127	36	25	25	22	25	3	50	5	36	15	13	14
ATHEROSCLEROSIS	440	14	9	4	3	2	4	5	3	2	8		4	3
OTHER ARTERIAL DISEASE	441-448	35	9	4	5	3	8		16	1	2	5	6	4
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	1				1								
PNEUMONIA AND INFLUENZA	480-487	67	33	8	8	11	25	1	41	3	23	14	8	7
PNEUMONIA	480-486	65	32	8	8	11	24	1	40	3	22	13	8	7
CHRONIC OBSTRUCTIVE PULMONARY	490-496	85	24	8	12	7	26	3	16	4	19	10	4	10
CHRONIC & UNSPEC. BRONCHITIS	490-491	3		1					2		1		1	
EMPHYSEMA	492	16	2	1	1		8		1		3	6	1	2
ASTHMA	493	4	4	1	1	1	1	1			1	2		1
OTHER CHRONIC PULMONARY	494-496	62	18	5	10	6	17	2	13	4	14	10	2	7
ULCER OF STOMACH AND DUODENUM	531-533	3	1		1				2		4		1	
APPENDICITIS	540-543		1											
ABD. HERNIA & INTEST. OBSTR. 550-	553,560	8	3	1		2	1		3			1		
CHRONIC LIVER DIS. AND CIRRHOSIS	571	24	3	2	2	2	4		17		1		3	
CHOLELITHIASIS AND GALLBLADDER	574-575	1	1		1	1	1		4				1	
NEPHRITIS AND NEPHROSIS	580-589	16	6	5	2	4	3		8	2	8	1	3	1
INFECTIONS OF THE KIDNEY	590	1				1			2		1			1
HYPERPLASIA OF THE PROSTATE	600	2		1			1		1				1	
COMPLICATIONS OF PREGNANCY	630-676		1											
OTHER COMPLICATIONS	640-676		1											
CONGENITAL ANOMALIES	740-759	19	3	1		1	4		2		2	3	1	1
CONDITIONS OF PERINATAL PERIOD	760-779	13	5	1	1	4	3		3	1	3	2	1	
BIRTH TRAUMA	767-769	3			1		1						1	
OTHER PERINATAL CONDS. 760-766,	770-779	10	5	1		4	2		3	1	3	2		
ILL DEFINED CONDITIONS	780-799	7	1	2	3	4	5	1	2		1	2		
ALL OTHER DISEASES		189	51	16	43	33	54	3	78	7	39	30	14	19
ACCIDENTS AND ADVERSE EFFECTS	800-949	80	32	12	14	5	18	3	27	6	21	9	9	13
MOTOR VEHICLE ACCIDENTS	810-825	43	24	5	6	1	9	1	10	4	8	7	5	7
OTHER 800-807,	826-949	37	8	7	8	4	9	2	17	2	13	2	4	6
SUICIDE	950-959	39	5	2	5	2	10		9	4	5	7	2	1
HOMICIDE AND LEGAL INTERVENT.	960-978	6	1		1	1	2		2					
ALL OTHER EXTERNAL CAUSES	980-999	2	2		1						1			

*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.2

DEATHS BY CAUSE GROUP AND BY SEX
BY COUNTY
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		IRON	JACKSON	JEFFERSON	JUNEAU	KENOSHA	KEWAUNEE	LA CROSSE	LAFAYETTE	LANGLADE	LINCOLN	MANITOWOC	MARATHON	MARINETTE
TOTAL		77	187	581	240	1073	178	858	160	207	313	830	881	455
MALE		36	103	314	121	596	100	418	94	104	155	434	489	249
FEMALE		41	84	267	119	477	78	440	66	103	158	396	392	206
TUBERCULOSIS	010-018													
SEPTICEMIA	038		3	3		9		11	1	1	2	5	7	3
OTHER INFECTIONS AND PARASITIC	***			2		4	1	3		1		6	2	1
MALIGNANT NEOPLASMS	140-208	21	44	141	42	253	46	199	42	43	70	197	222	103
LIP, ORAL CAVITY, PHARYNX	140-149	2		2		6	2	3				8	6	2
DIGESTIVE ORG. AND PERITONEUM	150-159	6	13	48	15	71	15	44	9	11	24	64	62	22
RESPIRATORY AND INTRATHORACIC	160-165	5	12	31	7	63	6	48	16	10	14	39	47	25
BREAST	174-175	1	3	11	2	22	4	13	4	4	5	21	21	9
GENITAL ORGANS	179-187	3	5	10	7	23	6	27	3	7	8	24	31	14
URINARY ORGANS	188-189	1	4	5	1	9	3	12	1	3	5	6	9	3
OTHER AND UNSPEC SITES 170-173,	190-199	2	2	22	6	30	7	26	4	3	9	22	30	15
OTHER LYMPH. AND HEMATOP.	200-203	1		7	1	21	2	19	4	4	2	10	8	7
LEUKEMIA	204-208		5	5	3	8	1	7	1	1	3	3	8	6
BENIGN AND UNCERTAIN NEOPLASMS	210-239				1	2	1	2			1	1	3	
DIABETES MELLITUS	250	1	4	9	3	36	5	17	1	5	10	16	19	13
NUTRITIONAL DEFICIENCIES	260-269			1	2	2		2	1		1	1	3	7
ANEMIAS	280-285		1	3		4		1	3			3	1	2
MENINGITIS	320-322			1		2								1
CIRCULATORY DISEASE	391-448	34	86	265	130	522	81	393	68	111	149	398	376	214
HEART 391-398,402,	404-429	25	70	200	98	424	56	280	52	80	126	318	289	155
RHEUMATIC FEVER	391-398		1	2	3	5	2	5				2	3	1
HYPERTENSIVE HEART DISEASE	402				2	11	1	8				1	4	1
HYP. HEART AND RENAL DISEASE	404			1		2	1			2			3	
ISCHEMIC HEART DISEASE	410-414	16	46	153	73	313	38	208	33	64	96	229	212	124
ACUTE (INCL/MYO. INFARC)	410-411	9	32	77	33	119	24	93	23	36	34	159	109	63
CHRONIC (INCL. OLD M.I.)	412-414	7	14	76	40	194	14	115	10	28	62	70	103	61
OTHER ENDOCARDIAL DISEASES	424		1	1	4	3	1	5			1	6	5	3
OTHER HEART DISEASE 415-423,	425-429	9	22	43	16	90	13	54	19	14	29	80	62	26
HYPERTENSION W/ OR W/O RENAL	401,403	1		1	2	8	12	4		1		2	4	1
CEREBROVASCULAR DISEASES	430-438	8	13	49	24	69	7	89	12	23	22	62	53	49
INTRACRANIAL HEMORRHAGE	431,432		1	6	4	8	3	13	1	1	1	4	13	1
CEREBRAL OCCLUSION	434	1		2	3	14		9	1	7	2	2	14	11
OTHER CEREBROVASC. 430,433,	435-438	7	12	41	17	47	4	67	10	15	19	56	36	37
ATHEROSCLEROSIS	440		1	8	2	8	4	3	3	1		3	8	5
OTHER ARTERIAL DISEASE	441-448		2	7	4	13	2	17	1	6	1	13	12	4
ACUTE BRONCHITIS AND BRONCHIOLITIS	466			1										
PNEUMONIA AND INFLUENZA	480-487	3	10	21	16	29	3	28	5	9	10	37	23	12
PNEUMONIA	480-486	3	10	21	16	29	3	28	2	9	10	37	23	11
CHRONIC OBSTRUCTIVE PULMONARY	490-496	3	9	16	6	36	6	38	8	8	19	24	27	21
CHRONIC & UNSPEC. BRONCHITIS	490-491			2	1	2		1		1		3	3	
EMPHYSEMA	492		1	1	3	11		4		2	1	4	5	3
ASTHMA	493		2	2		2		3	1		2		1	
OTHER CHRONIC PULMONARY	494-496	3	6	11	2	21	6	30	7	5	16	17	18	18
ULCER OF STOMACH AND DUODENUM	531-533			3	1	3		1			1	2	6	
APPENDICITIS	540-543		1											
ABD. HERNIA & INTEST. OBSTR. 550-	553,560			2	3	2		1			2	4	1	1
CHRONIC LIVER DIS. AND CIRRHOSIS	571	2		4	3	14		8		4	4	11	11	2
CHOLELITHIASIS AND GALLBLADDER	574-575			2	1	2		1	1	2		2	1	
NEPHRITIS AND NEPHROSIS	580-589		2	3	1	17		3		2	5	8	12	1
INFECTIONS OF THE KIDNEY	590							2		1			1	
HYPERPLASIA OF THE PROSTATE	600													
COMPLICATIONS OF PREGNANCY	630-676													
OTHER COMPLICATIONS	640-676													
CONGENITAL ANOMALIES	740-759		1	1		4	2	6	1	3	2	3	4	1
CONDITIONS OF PERINATAL PERIOD	760-779			3	1	10	3	7				3	7	1
BIRTH TRAUMA	767-769			1			2	2				1		
OTHER PERINATAL CONDS. 760-766,	770-779			2	1	10	1	5				2	7	1
ILL DEFINED CONDITIONS	780-799		1	6	2	10		6				2	3	
ALL OTHER DISEASES		6	16	54	13	61	17	84	11	9	18	63	80	42
ACCIDENTS AND ADVERSE EFFECTS	800-949	4	7	27	11	36	10	27	14	7	12	32	46	18
MOTOR VEHICLE ACCIDENTS	810-825	2	4	12	4	20	6	15	7	2	5	9	21	13
OTHER 800-807,	826-949	2	3	15	7	16	4	12	7	5	7	23	25	5
SUICIDE	950-959	2	1	10	1	12	2	14	4	1	7	12	20	11
HOMICIDE AND LEGAL INTERVENT.	960-978	1	1	3	3	2	1	4					6	1
ALL OTHER EXTERNAL CAUSES	980-999					1								

*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.2

DEATHS BY CAUSE GROUP AND BY SEX
BY COUNTY
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		MARQUETTE	MENOMINEE	MILWAUKEE	MONROE	OCONTO	ONEIDA	OUTAGAMIE	OZAUKEE	PEPIN	PIERCE	POLK	PORTAGE	PRICE
TOTAL		147	36	9430	347	308	347	929	463	72	212	352	429	172
MALE		80	19	4665	184	162	205	496	237	39	109	191	233	104
FEMALE		67	17	4765	163	146	142	433	226	33	103	161	196	68
TUBERCULOSIS	010-018			12									2	
SEPTICEMIA	038	2		105	4	1	1	8	3			2	2	1
OTHER INFECTIONS AND PARASITIC	***		1	73	1	1		4	1		1	1	1	
MALIGNANT NEOPLASMS	140-208	33	6	2116	71	59	81	233	125	11	61	67	91	39
LIP, ORAL CAVITY, PHARYNX	140-149			38			1	2	3		2		1	
DIGESTIVE ORG. AND PERITONEUM	150-159	7	1	545	22	14	13	66	35	2	17	15	21	12
RESPIRATORY AND INTRATHORACIC	160-165	8	2	539	16	11	21	51	35	3	8	18	20	14
BREAST	174-175	2		206	8	6	5	20	11		4	6	10	
GENITAL ORGANS	179-187	6		234	6	11	13	34	11	1	8	12	8	7
URINARY ORGANS	188-189		1	92	3	2	5	10	3		4	5	2	2
OTHER AND UNSPEC SITES 170-173,	190-199	7	1	281	10	8	10	25	12	2	9	6	15	3
OTHER LYMPH. AND HEMATOP.	200-203	1	1	118	4	4	8	10	8	2	7	3	9	1
LEUKEMIA	204-208	2		63	2	3	5	15	7	1	2	2	5	
BENIGN AND UNCERTAIN NEOPLASMS	210-239	1		18	2	1	3	3	1			1	1	
DIABETES MELLITUS	250	2	3	189	6	6	2	10	4	1	3	14	2	3
NUTRITIONAL DEFICIENCIES	260-269			11		2			1					
ANEMIAS	280-285			19	1		1	1			1	1		
MENINGITIS	320-322			4										
CIRCULATORY DISEASE	391-448	73	10	4416	165	147	153	455	210	44	87	180	210	73
HEART 391-398,402,	404-429	57	9	3511	137	96	127	345	152	38	70	127	170	54
RHEUMATIC FEVER	391-398	1		21	1			4	1				3	
HYPERTENSIVE HEART DISEASE	402			123	1		1	3	4		5	4	4	1
HYP. HEART AND RENAL DISEASE	404			15	1		2	1						
ISCHEMIC HEART DISEASE	410-414	42	8	2608	103	72	105	264	104	27	39	83	116	34
ACUTE (INCL/MYO. INFARC)	410-411	32	4	1169	55	47	65	182	52	16	19	52	65	20
CHRONIC (INCL. OLD M.I.)	412-414	10	4	1439	48	25	40	82	52	11	20	31	51	14
OTHER ENDOCARDIAL DISEASES	424	1		49	1	1	1	5	4	4	1	5		2
OTHER HEART DISEASE 415-423,	425-429	13	1	695	30	23	18	68	39	7	25	35	47	17
HYPERTENSION W/ OR W/O RENAL	401,403			38		1	1	5	2			4		2
CEREBROVASCULAR DISEASES	430-438	12	1	679	23	46	17	85	35	4	17	29	33	11
INTRACRANIAL HEMORRHAGE	431,432	2		89	3	5	5	6	1		1	2	5	
CEREBRAL OCCLUSION	434	5		99		4	1	10	2	2		2	1	2
OTHER CEREBROVASC. 430,433,	435-438	5	1	491	20	37	11	69	32	2	16	25	27	9
ATHEROSCLEROSIS	440	2		73	2	2	2	8	17			16	1	3
OTHER ARTERIAL DISEASE	441-448	2		115	3	2	6	12	4	2		4	6	3
ACUTE BRONCHITIS AND BRONCHIOLITIS	466					1	1							
PNEUMONIA AND INFLUENZA	480-487	5	1	334	13	9	23	30	12	2	9	9	10	4
PNEUMONIA	480-486	5	1	334	13	8	23	30	12	2	9	9	10	4
CHRONIC OBSTRUCTIVE PULMONARY	490-496	9	1	338	20	15	11	20	14	2	10	16	14	6
CHRONIC & UNSPEC. BRONCHITIS	490-491			12		3					2	1	3	
EMPHYSEMA	492			48	2	2	3	5	2			1	4	3
ASTHMA	493	1	1	22	1	1	1	1	1			2		
OTHER CHRONIC PULMONARY	494-496	8		256	17	9	7	14	11	2	8	12	7	3
ULCER OF STOMACH AND DUODENUM	531-533	2		32	1	2	2	1	5	1		1	1	1
APPENDICITIS	540-543							1	1					
ABD. HERNIA & INTEST. OBSTR. 550-	553,560			31	4	1	2		1	1		1	1	
CHRONIC LIVER DIS. AND CIRRHOSIS	571	1	1	92	3	3	2	7	5	1	2	5	5	5
CHOLELITHIASIS AND GALLBLADDER	574-575			11		3		1				3	1	1
NEPHRITIS AND NEPHROSIS	580-589	1	1	116	2	5	4	7	3	2	3	4	5	4
INFECTIONS OF THE KIDNEY	590			7		1		2						
HYPERPLASIA OF THE PROSTATE	600			3									1	
COMPLICATIONS OF PREGNANCY	630-676													
OTHER COMPLICATIONS	640-676													
CONGENITAL ANOMALIES	740-759		1	51	1	1	2	8	8		1	1	3	
CONDITIONS OF PERINATAL PERIOD	760-779	3		72	1	2		2			2	1	2	
BIRTH TRAUMA	767-769			9		1		1				1		
OTHER PERINATAL CONDS. 760-766,	770-779	3		63	1	1		1			2		2	
ILL DEFINED CONDITIONS	780-799	2	2	63		1	1	3	2		1	1	2	1
ALL OTHER DISEASES		7	3	758	33	25	33	60	46	7	18	23	34	20
ACCIDENTS AND ADVERSE EFFECTS	800-949	3	3	295	15	18	15	46	14		8	19	33	7
MOTOR VEHICLE ACCIDENTS	810-825	1	2	109	4	8	9	21	12		3	10	24	3
OTHER 800-807,	826-949	2	1	186	11	10	6	25	2		5	9	9	4
SUICIDE	950-959	3	1	148	4	4	9	25	6		1	2	7	7
HOMICIDE AND LEGAL INTERVENT.	960-978		2	96				1	1		2		1	
ALL OTHER EXTERNAL CAUSES	980-999			20			1	1			2			

*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.2

DEATHS BY CAUSE GROUP AND BY SEX
BY COUNTY
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		RACINE	RICHLAND	ROCK	RUSK	ST CROIX	SAUK	SAWYER	SHAWANO	SHEBOYGAN	TAYLOR	TREMPEALEAU	VERNON	VILAS
TOTAL		1425	194	1200	159	396	433	169	396	916	160	319	287	208
MALE		752	99	609	92	206	242	91	223	445	98	178	158	120
FEMALE		673	95	591	67	190	191	78	173	471	62	141	129	88
TUBERCULOSIS	010-018	1		3						1				
SEPTICEMIA	038	8	1	9	2	6	4	2		3		3	2	3
OTHER INFECTIONS AND PARASITIC	***	11	1	7		2	1	1	3	4	3	1		
MALIGNANT NEOPLASMS	140-208	289	51	259	36	67	89	44	78	193	31	57	58	53
LIP, ORAL CAVITY, PHARYNX	140-149	6		4		1	3		2	1		1		2
DIGESTIVE ORG. AND PERITONEUM	150-159	56	10	82	6	19	27	5	19	63	9	16	15	15
RESPIRATORY AND INTRATHORACIC	160-165	73	14	52	13	16	22	17	16	33	10	12	12	16
BREAST	174-175	24	9	20	2	6	5	4	5	18	1	3	3	4
GENITAL ORGANS	179-187	36	5	26	7	5	12	7	12	24	3	10	10	7
URINARY ORGANS	188-189	15	1	13		3	4	2	6	12	1	1	1	1
OTHER AND UNSPEC SITES 170-173,	190-199	48	9	32	7	11	9	7	16	24	4	6	10	4
OTHER LYMPH. AND HEMATOP.	200-203	19	2	18		5	4	2	1	6	2	7	6	3
LEUKEMIA	204-208	12	1	12	1	1	3		1	12	1	1	1	1
BENIGN AND UNCERTAIN NEOPLASMS	210-239	5	1	5	1	1			2	1	1			
DIABETES MELLITUS	250	27	2	19	1	5	11		9	16	4	4	4	6
NUTRITIONAL DEFICIENCIES	260-269	6	1	1						1		1	1	
ANEMIAS	280-285	1		2					1	1		1		2
MENINGITIS	320-322	1		1					1	1				1
CIRCULATORY DISEASE	391-448	677	87	586	79	188	230	77	221	469	78	179	148	88
HEART 391-398,402,	404-429	549	62	443	63	145	184	65	172	345	61	143	108	68
RHEUMATIC FEVER	391-398	5	1	5	1				2	4	1		2	
HYPERTENSIVE HEART DISEASE	402	8	1	7		1	1	2	8	12	1	1	2	2
HYP. HEART AND RENAL DISEASE	404	2					1			1	2			
ISCHEMIC HEART DISEASE	410-414	431	43	358	54	114	139	49	129	258	43	110	71	54
ACUTE (INCL/MYO. INFARC)	410-411	185	30	187	41	59	99	34	83	105	27	59	34	32
CHRONIC (INCL. OLD M.I.)	412-414	246	13	171	13	55	40	15	46	153	16	51	37	22
OTHER ENDOCARDIAL DISEASES	424	7	2	8			2	2	2	4	1	4	1	
OTHER HEART DISEASE 415-423,	425-429	96	15	65	8	30	41	12	31	66	13	28	32	12
HYPERTENSION W/ OR W/O RENAL	401,403	4		2		1			3	5	1	2		
CEREBROVASCULAR DISEASES	430-438	97	24	92	12	33	37	6	31	82	10	26	32	17
INTRACRANIAL HEMORRHAGE	431,432	16	3	11	4	3	1	1	3	10		3	7	6
CEREBRAL OCCLUSION	434	8	1	11	1	2	5	1	7	13		4	4	1
OTHER CEREBROVASC. 430,433,	435-438	73	20	70	7	28	31	4	21	59	10	19	21	10
ATHEROSCLEROSIS	440	11	1	38	2	5	4	6	10	33	6	3	3	
OTHER ARTERIAL DISEASE	441-448	16		11	2	4	5		5	4		5	5	3
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	1												
PNEUMONIA AND INFLUENZA	480-487	41	5	45	2	21	14	9	11	43	3	8	17	9
PNEUMONIA	480-486	40	4	43	2	20	13	9	11	42	2	8	17	9
CHRONIC OBSTRUCTIVE PULMONARY	490-496	68	7	46	6	14	12	10	10	33	9	6	8	13
CHRONIC & UNSPEC. BRONCHITIS	490-491	1		3						1				
EMPHYSEMA	492	25	3	8	2	4	2	5		5	2		1	3
ASTHMA	493	4		4			2			2	2			
OTHER CHRONIC PULMONARY	494-496	38	4	31	4	10	8	5	10	25	5	6	7	10
ULCER OF STOMACH AND DUODENUM	531-533	2		2			2			6		1	1	1
APPENDICITIS	540-543			1						1				
ABD. HERNIA & INTEST. OBSTR. 550-	553,560	8		3	1	2	1		2	2		1		1
CHRONIC LIVER DIS. AND CIRRHOSIS	571	18	1	21		4	1	4	3	10	3		1	3
CHOLELITHIASIS AND GALLBLADDER	574-575	3								1		1		1
NEPHRITIS AND NEPHROSIS	580-589	8	1	15	1	9	5	1	5	5	1	4	4	1
INFECTIONS OF THE KIDNEY	590	2				1				1				
HYPERPLASIA OF THE PROSTATE	600	1										2		
COMPLICATIONS OF PREGNANCY	630-676		1											
OTHER COMPLICATIONS	640-676		1											
CONGENITAL ANOMALIES	740-759	11		6			3		1	6		1	4	
CONDITIONS OF PERINATAL PERIOD	760-779	6	1	11	4	4	2		5	7	3	2		
BIRTH TRAUMA	767-769	3					1		2					
OTHER PERINATAL CONDS. 760-766,	770-779	3	1	11	4	4	1		3	7	3	2		
ILL DEFINED CONDITIONS	780-799	10		7	1	1		1		6	1	3	1	
ALL OTHER DISEASES		123	15	99	18	34	32	11	19	66	10	24	29	16
ACCIDENTS AND ADVERSE EFFECTS	800-949	59	15	36	6	26	22	5	20	23	11	14	7	7
MOTOR VEHICLE ACCIDENTS	810-825	32	13	23	3	10	12		17	11	8	9	2	3
OTHER 800-807,	826-949	27	2	13	3	16	10	5	3	12	3	5	5	4
SUICIDE	950-959	30	3	14	1	11	3	3	4	16	2	6	2	1
HOMICIDE AND LEGAL INTERVEN'.	960-978	6	1	2					1					2
ALL OTHER EXTERNAL CAUSES	980-999	2					1	1						

*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.2

DEATHS BY CAUSE GROUP AND BY SEX
BY COUNTY
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		WALWORTH	WASBURN	WASHINGTON	WAUKESHA	WAUPACA	WAUSHARA	WINNEBAGO	WOOD	UNKNOWN
TOTAL		699	153	626	1836	626	200	1093	636	
MALE		331	88	324	926	337	119	501	330	
FEMALE		368	65	302	910	289	81	592	306	
TUBERCULOSIS	010-018				1			2	1	
SEPTICEMIA	038	7	1	3	10		2	1	1	
OTHER INFECTIONS AND PARASITIC	***	2	1	2	9	2	1	5	1	
MALIGNANT NEOPLASMS	140-208	159	45	149	482	115	45	260	123	
LIP, ORAL CAVITY, PHARYNX	140-149	2		1	11	1		3	2	
DIGESTIVE ORG. AND PERITONEUM	150-159	35	13	38	120	26	11	70	33	
RESPIRATORY AND INTRATHORACIC	160-165	47	11	33	117	27	11	68	25	
BREAST	174-175	14	4	11	62	10	3	27	8	
GENITAL ORGANS	179-187	18	3	25	51	14	9	33	14	
URINARY ORGANS	188-189	9	3	10	23	5	2	13	5	
OTHER AND UNSPEC SITES 170-173,	190-199	18	7	18	46	20	5	19	20	
OTHER LYMPH. AND HEMATOP.	200-203	9	2	12	37	8		14	10	
LEUKEMIA	204-208	7	2	1	15	4	4	13	6	
BENIGN AND UNCERTAIN NEOPLASMS	210-239	2		2	4	4		1	1	
DIABETES MELLITUS	250	17	3	6	19	8	2	15	10	
NUTRITIONAL DEFICIENCIES	260-269	3			2			2	2	
ANEMIAS	280-285	3		2	2			1		
MENINGITIS	320-322			1	1			2		
CIRCULATORY DISEASE	391-448	354	72	315	851	324	99	497	332	
HEART 391-398,402,	404-429	267	54	245	648	257	87	382	243	
RHEUMATIC FEVER	391-398	1	1	3	4	3	1	2	4	
HYPERTENSIVE HEART DISEASE	402	4		4	16	5	2	3	2	
HYP. HEART AND RENAL DISEASE	404					2		1	1	
ISCHEMIC HEART DISEASE	410-414	204	43	198	491	196	69	297	192	
ACUTE (INCL/MYO. INFARC)	410-411	120	21	100	194	100	51	109	86	
CHRONIC (INCL. OLD M.I.)	412-414	84	22	98	297	96	18	188	106	
OTHER ENDOCARDIAL DISEASES	424	5	2	8	13	3	3	6	4	
OTHER HEART DISEASE 415-423,	425-429	53	8	32	124	48	12	73	40	
HYPERTENSION W/ OR W/O RENAL	401,403	6			4	2	2	3	3	
CEREBROVASCULAR DISEASES	430-438	62	15	58	163	53	6	91	68	
INTRACRANIAL HEMORRHAGE	431,432	7	2	10	19	3		10	11	
CEREBRAL OCCLUSION	434	6	5	12	36	3		9	13	
OTHER CEREBROVASC. 430,433,	435-438	49	8	36	108	47	6	72	44	
ATHEROSCLEROSIS	440	8		5	14	9		8	9	
OTHER ARTERIAL DISEASE	441-448	11	3	7	22	3	4	13	9	
ACUTE BRONCHITIS AND BRONCHIOLITIS	466									
PNEUMONIA AND INFLUENZA	480-487	22	1	18	68	46	10	42	22	
PNEUMONIA	480-486	22	1	18	68	46	10	42	22	
CHRONIC OBSTRUCTIVE PULMONARY	490-496	18	5	8	51	17	5	46	19	
CHRONIC & UNSPEC. BRONCHITIS	490-491	1			4	2		4	2	
EMPHYSEMA	492	4		1	11	4	1	6	2	
ASTHMA	493	4						3		
OTHER CHRONIC PULMONARY	494-496	9	5	7	36	11	4	33	15	
ULCER OF STOMACH AND DUODENUM	531-533			2	5	2		5	2	
APPENDICITIS	540-543									
ABD. HERNIA & INTEST. OBSTR. 550-	553,560		1	1	8	1	1	2	2	
CHRONIC LIVER DIS. AND CIRRHOSIS	571	7	2	7	19	9		6	3	
CHOLELITHIASIS AND GALLBLADDER	574-575	2		1	1		1			
NEPHRITIS AND NEPHROSIS	580-589	6	2	5	11	3	1	8	6	
INFECTIONS OF THE KIDNEY	590		1		2	1		1		
HYPERPLASIA OF THE PROSTATE	600				1			1		
COMPLICATIONS OF PREGNANCY	630-676			1						
OTHER COMPLICATIONS	640-676			1						
CONGENITAL ANOMALIES	740-759		1	2	14	2	1	9	9	
CONDITIONS OF PERINATAL PERIOD	760-779	3		2	8	1	1	1	1	
BIRTH TRAUMA	767-769				3					
OTHER PERINATAL CONDS. 760-766,	770-779	3		2	5	1	1	1	1	
ILL DEFINED CONDITIONS	780-799	4		2	5		3	7	5	
ALL OTHER DISEASES		50	7	51	154	47	17	116	50	
ACCIDENTS AND ADVERSE EFFECTS	800-949	27	11	30	61	34	8	36	30	
MOTOR VEHICLE ACCIDENTS	810-825	16	6	25	30	15	6	20	17	
OTHER 800-807,	826-949	11	5	5	31	19	2	16	13	
SUICIDE	950-959	11		10	39	10	3	26	13	
HOMICIDE AND LEGAL INTERVENT.	960-978	1		5	4			1	3	
ALL OTHER EXTERNAL CAUSES	980-999	1		1	4					

*** INCLUDES ICD-9 CODES 001-009, 020-044, 039-139

TABLE 2.3

DEATHS BY CAUSE GROUP
BY SEX AND RACE
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH	ICD-9	TOTAL MALE	TOTAL FEMALE	WHITE MALE	WHITE FEMALE	BLACK MALE	BLACK FEMALE	AMER. INDIAN MALE	AMER. INDIAN FEMALE	OTHER MALE	OTHER FEMALE
TOTAL		21775	20299	20951	19591	694	568	97	97	33	43
TUBERCULOSIS	010-018	16	13	14	11	2			2		
SEPTICEMIA	038	141	177	131	167	9	9		1	1	
OTHER INFECTIONS AND PARASITIC	***	135	67	117	54	16	12	1		1	1
MALIGNANT NEOPLASMS	140-208	4991	4432	4827	4276	145	131	14	16	5	9
LIP, ORAL CAVITY, PHARYNX	140-149	105	49	102	47	1	2	2			
DIGESTIVE ORG. AND PERITONEUM	150-159	1298	1127	1259	1086	33	36	5	3	1	2
RESPIRATORY AND INTRATHORACIC	160-165	1518	749	1447	719	67	25	4	4		1
BREAST	174-175	4	848	4	823		20		2		3
GENITAL ORGANS	179-187	669	456	649	445	18	8	1	2	1	1
URINARY ORGANS	188-189	288	159	285	153	3	4		2		
OTHER AND UNSPEC SITES 170-173,	190-199	613	598	596	573	14	22	2	2	1	1
OTHER LYMPH. AND HEMATOP.	200-203	281	288	275	277	6	10		1		
LEUKEMIA	204-208	215	158	210	153	3	4			2	1
BENIGN AND UNCERTAIN NEOPLASMS	210-239	51	58	49	57	2	1				
DIABETES MELLITUS	250	334	435	317	404	13	22	3	8	1	1
NUTRITIONAL DEFICIENCIES	260-269	24	50	24	50						
ANEMIAS	280-285	29	39	26	38	3	1				
MENINGITIS	320-322	9	10	9	8		1				1
CIRCULATORY DISEASE	391-448	9916	10298	9655	10026	211	223	38	38	12	11
HEART 391-398,402,	404-429	8011	7656	7812	7451	161	171	30	30	8	4
RHEUMATIC FEVER	391-398	50	83	49	79		3			1	1
HYPERTENSIVE HEART DISEASE	402	124	175	107	159	17	15		1		
HYP. HEART AND RENAL DISEASE	404	26	26	23	25	3	1				
ISCHEMIC HEART DISEASE	410-414	6151	5548	6017	5422	104	107	24	18	6	1
ACUTE (INCL/MYO. INFARC)	410-411	3296	2648	3239	2585	41	53	13	9	3	1
CHRONIC (INCL. OLD M.I.)	412-414	2855	2900	2778	2837	63	54	11	9	3	
OTHER ENDOCARDIAL DISEASES	42	110	141	108	136	1	3	1	2		
OTHER HEART DISEASE 415-423,	425-429	1550	1683	1508	1630	36	42	5	9	1	2
HYPERTENSION W/ OR W/O RENAL	401,403	86	90	84	83	1	6	1	1		
CEREBROVASCULAR DISEASES	430-438	1329	2060	1282	2009	37	39	6	6	4	6
INTRACRANIAL HEMORRHAGE	431,432	185	238	176	226	9	10		1		1
CEREBRAL OCCLUSION	434	184	279	178	273	4	3	2	3		
OTHER CEREBROVASC. 430,433,	435-438	960	1543	928	1510	24	26	4	2	4	5
ATHEROSCLEROSIS	440	178	282	172	275	5	5	1	1		1
OTHER ARTERIAL DISEASE	441-448	312	210	305	208	7	2				
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	5	1	5	1						
PNEUMONIA AND INFLUENZA	480-487	745	756	725	743	19	7	1	5		1
PNEUMONIA	480-486	735	745	715	732	19	7	1	5		1
CHRONIC OBSTRUCTIVE PULMONARY	490-496	959	533	927	525	26	6	5	2	1	
CHRONIC & UNSPEC. BRONCHITIS	490-491	41	27	40	27			1			
EMPHYSEMA	492	186	82	181	81	5	1				
ASTHMA	493	47	45	40	43	6	1		1	1	
OTHER CHRONIC PULMONARY	494-496	685	379	666	374	15	4	4	1		
ULCER OF STOMACH AND DUODENUM	531-533	56	63	55	62		1	1			
APPENDICITIS	540-543	7		6				1			
ABD. HERNIA & INTEST. OBSTR. 550-	553,560	50	75	47	70	3	5				
CHRONIC LIVER DIS. AND CIRRHOSIS	571	261	154	249	144	10	6	2	4		
CHOLELITHIASIS AND GALLBLADDER	574-575	23	36	22	36	1					
NEPHRITIS AND NEPHROSIS	580-589	204	210	192	196	7	10	4	1	1	3
INFECTIONS OF THE KIDNEY	590	13	20	13	19		1				
HYPERPLASIA OF THE PROSTATE	600	16		16							
COMPLICATIONS OF PREGNANCY	630-676		3		3						
OTHER COMPLICATIONS	640-676		3		3						
CONGENITAL ANOMALIES	740-759	134	99	118	87	14	6	1	2	1	4
CONDITIONS OF PERINATAL PERIOD	760-779	138	107	105	82	29	22	1		3	3
BIRTH TRAUMA	767-769	23	16	20	12	3	4				
OTHER PERINATAL CONDS. 760-766,	770-779	115	91	85	70	26	18	1		3	3
ILL DEFINED CONDITIONS	780-799	133	82	116	64	16	14		3	1	1
ALL OTHER DISEASES		1576	1857	1520	1809	48	37	6	9	2	2
ACCIDENTS AND ADVERSE EFFECTS	800-949	1115	517	1051	487	50	21	11	5	3	4
MOTOR VEHICLE ACCIDENTS	810-825	570	248	539	237	22	5	7	2	2	4
OTHER 800-807,	826-949	545	269	512	250	28	16	4	3	1	
SUICIDE	950-959	548	132	527	119	16	10	4	1	1	2
HOMICIDE AND LEGAL INTERVENT.	960-978	115	60	65	46	46	14	4			
ALL OTHER EXTERNAL CAUSES	980-999	31	15	23	7	8	8				

NOTE: THERE WERE 2 OBSERVATIONS WHERE RACE WAS UNREPORTED; THESE WERE INCLUDED IN "OTHER" CATEGORY
*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.4

DEATHS BY CAUSE
BY SEX
WISCONSIN 1987

(RESIDENT DATA)

		TOTAL	MALE	FEMALE
TOTAL DEATHS FROM ALL CAUSES		42074	21775	20299
I. INFECTIOUS AND PARASITIC DISEASES (001-139)		549	292	257
INTESTINAL INFECTIOUS DISEASES (001-009)		4	1	3
003	OTHER SALMONELLA INFECTIONS	1	1	
008	INTESTINAL INFECTIONS DUE TO OTHER ORGANISMS	2		2
009	ILL-DEFINED INTESTINAL INFECTIONS	1		1
TUBERCULOSIS (010-018)		29	16	13
011	PULMONARY TUBERCULOSIS	22	14	8
012	OTHER RESPIRATORY TUBERCULOSIS	1		1
015	TUBERCULOSIS OF BONES AND JOINTS	3	1	2
018	MILIARY TUBERCULOSIS	3	1	2
ZOONOTIC BACTERIAL DISEASES (020-027)		2	1	1
027	OTHER ZOONOTIC BACTERIAL DISEASES	2	1	1
OTHER BACTERIAL DISEASES (030-041)		347	159	188
031	MYCOBACTERIA	6	4	2
036	MENINGOCOCCAL INFECTIONS	4	2	2
038	SEPTICEMIA	318	141	177
039	ACTINOMYCOTIC INFECTIONS	2	1	1
040	OTHER BACTERIAL DISEASES	3	3	
041	BACTERIAL INFECTION CLASSIFIED ELSEWHERE & OF UNSPECIFIED SITE	14	8	6
HUMAN IMMUNODEFICIENCY VIRUS INFECTION (042-044)		57	52	5
042	HUMAN IMMUN. WITH SPECIFIED CONDITIONS	56	51	5
044	OTHER HUMAN IMMUN. VIRUS INFECTION	1	1	
DISEASES ATTRIBUTABLE TO VIRUSES (045-079)		36	21	15
046	SLOW VIRUS INFECTIONS OF CENTRAL NERVOUS SYSTEM	10	5	5
048	OTHER ENTEROVIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	1		1
049	OTHER NON-ARTHROPOD-BORNE VIRAL DISEASES OF CENT. NERVOUS SYSTEM	3	2	1
052	CHICKENPOX	1	1	
053	HERPES ZOSTER	3		3
070	VIRAL HEPATITIS	9	6	3
072	MUMPS	1	1	
078	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIA	4	3	1
079	VIRAL INFECTION CLASSIFIED ELSEWHERE & OF UNSPECIFIED SITE	4	3	1
SYPHILIS AND OTHER VENEREAL DISEASES (090-099)		1	1	
090	CONGENITAL SYPHILIS	1	1	
MYCOSES (110-118)		36	23	13
112	CANDIDIASIS	10	8	2
115	HISTOPLASMOSIS	1	1	
116	BLASTOMYCOTIC INFECTION	4		4
117	OTHER MYCOSES	21	14	7
HELMINTHIASES (120-129)		1	1	
122	ECHINOCOCCOSIS	1	1	
OTHER INFECTIOUS AND PARASITIC DISEASES (130-136)		29	12	17
135	SARCOIDOSIS	7		7
136	OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES	22	12	10
LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES (137-139)		7	5	2
137	LATE EFFECTS OF TUBERCULOSIS	2	1	1
138	LATE EFFECTS OF ACUTE POLIOMYELITIS	5	4	1
II. NEOPLASMS (140-239)		9532	5042	4490
MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (140-149)		154	105	49
140	LIP	2	2	
141	TONGUE	33	22	11
142	MAJOR SALIVARY GLANDS	11	5	6
143	GUM	2	2	
144	FLOOR OF MOUTH	4	2	2
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	32	21	11
146	OROPHARYNX	21	17	4
147	NASOPHARYNX	10	8	2
148	HYPOPHARYNX	14	8	6
149	OTHER & ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY & PHARYNX	25	18	7
MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM (150-159)		2425	1298	1127
150	ESOPHAGUS	173	128	45
151	STOMACH	276	163	113
152	SMALL INTESTINE, INCLUDING DUODENUM	12	9	3
153	COLON	964	489	475
154	RECTUM, RECTOSIGMOID JUNCTION AND ANUS	191	109	82
155	LIVER AND INTRAHEPATIC BILE DUCTS	162	107	55
156	GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	122	47	75
157	PANCREAS	472	230	242
158	RETROPERITONEUM AND PERITONEUM	15	4	11
159	ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	38	12	26
MALIGNANT NEOPLASMS OF RESPIRATORY & INTRATHORACIC ORGANS (160-165)		2267	1518	749
160	NASAL CAVITIES, MIDDLE EAR AND ACCESSORY SINUSES	15	10	5
161	LARYNX	71	63	8
162	TRACHEA, BRONCHUS AND LUNG	2167	1435	732

TABLE 2.4

DEATHS BY CAUSE
BY SEX
WISCONSIN 1987

(RESIDENT DATA)

		TOTAL	MALE	FEMALE
163	PLEURA	4	3	1
164	THYMUS, HEART AND MEDIASTINUM	10	7	3
MALIGNANT	NEOPLASMS OF BONE, CONNECTIVE TISSUE, SKIN AND BREAST (170-175)	1070	135	935
170	BONE AND ARTICULAR CARTILAGE	29	13	16
171	CONNECTIVE AND OTHER SOFT TISSUE	53	26	27
172	MELANOMA OF THE SKIN	101	66	35
173	OTHER MALIGNANT NEOPLASM OF SKIN	35	26	9
174	FEMALE BREAST	848		848
175	MALE BREAST	4	4	
MALIGNANT	NEOPLASMS OF GENITOURINARY ORGANS (179-189)	1572	957	615
179	UTERUS, PART UNSPECIFIED	28		28
180	CERVIX UTERI	55		55
182	BODY OF UTERUS	104		104
183	OVARY AND OTHER UTERINE ADNEXA	247		247
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	22		22
185	PROSTATE	653	653	
186	TESTIS	9	9	
187	PENIS AND OTHER MALE GENITAL ORGANS	7	7	
188	BLADDER	218	146	72
189	KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	229	142	87
MALIGNANT	NEOPLASMS OF OTHER AND UNSPECIFIED SITES (190-195,199)	993	482	511
190	EYE	2	2	
191	BRAIN	245	123	122
192	OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	6		6
193	THYROID GLAND	23	11	12
194	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	9	4	5
195	OTHER AND ILL-DEFINED SITES	73	31	42
199	NEOPLASM WITHOUT SPECIFCATION OF SITE	635	311	324
MALIGNANT	NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE (200-208)	942	496	446
200	LYMPHOSARCOMA AND RETICULOSARCOMA	60	30	30
201	HODGKIN'S DISEASE	39	21	18
202	OTHER MALIGNANT NEOPLASM OF LYMPHOID AND HISTIOCYTIC TISSUE	287	130	157
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	183	100	83
204	LYMPHOID LEUKEMIA	110	65	45
205	MYELOID LEUKEMIA	151	77	74
206	MONOCYTIC LEUKEMIA	5	4	1
207	OTHER SPECIFIED LEUKEMIA	5	2	3
208	LEUKEMIA OF UNSPECIFIED CELL TYPE	102	67	35
BENIGN	NEOPLASMS (210-229)	37	13	24
210	BENIGN NEOPLASM OF LIP, ORAL CAVITY AND PHARYNX	1		1
211	BENIGN NEOPLASMS OF OTHER PARTS OF DIGESTIVE SYSTEM	3	2	1
212	BENIGN NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	2	1	1
214	LIPOMA	1		1
225	BENIGN NEOPLASM OF BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	25	8	17
227	BENIGN NEOPLASM OF OTHER ENDOCRINE GLANDS & RELATED STRUCTURES	3	2	1
229	BENIGN NEOPLASM OF OTHER AND UNSPECIFIED SITES	2		2
NEOPLASMS	OF UNCERTAIN BEHAVIOR (235-238)	36	21	15
235	NEOPLASM OF UNCERT. BEHAVIOR OF RESP. AND DIG. SYSTEMS	2	1	1
237	NEOPLASM OF UNCERT. BEHAV. OF ENDOCR. GLANDS AND NERVOUS SYSTEM	2	1	1
238	NEOPLASM OF UNCERT. BEHAV. OF OTHER & UNSPEC. SITES & TISSUES	32	19	13
NEOPLASMS	OF UNSPECIFIED NATURE (239)	36	17	19
239	NEOPLASM OF UNSPECIFIED NATURE	36	17	19
III.	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASE AND IMMUNITY DISORDER (240-279)	1037	449	588
DISORDERS	OF THYROID GLAND (240-246)	11	4	7
242	THYROTOXICOSIS WITH OR WITHOUT GOITER	3	1	2
244	ACQUIRED HYPOTHYROIDISM	8	3	5
DISEASES	OF OTHER ENDOCRINE GLANDS (250-259)	778	339	439
250	DIABETES MELLITUS	769	334	435
251	OTHER DISORDERS OF PANCREATIC INTERNAL SECRETION	4	1	3
253	DISORDERS OF THE PITUITARY GLAND AND ITS HYPOTHALAMIC CONTROL	1	1	
255	DISORDERS OF ADRENAL GLANDS	2	1	1
259	OTHER ENDOCRINE DISORDERS	2	2	
NUTRITIONAL	DEFICIENCIES (260-269)	74	24	50
260	KWASHIORKOR	2		2
261	NUTRITIONAL MARASMUS	4	1	3
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	65	23	42
269	OTHER NUTRITIONAL DEFICIENCIES	3		3
OTHER METABOLIC	DISORDERS AND IMMUNITY DISORDERS (270-279)	174	82	92
270	DISORDERS OF AMINO-ACID TRANSPORT AND METABOLISM	3	3	
271	DISORDERS OF CARBOHYDRATE TRANSPORT AND METABOLISM	3	2	1
272	DISORDERS OF LIPOID METABOLISM	9	5	4
273	DISORDERS OF PLASMA PROTEIN METABOLISM	4	1	3
274	GOUT	3	3	
275	DISORDERS OF MINERAL METABOLISM	7	6	1
276	DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	83	39	44
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	37	12	25

TABLE 2.4

DEATHS BY CAUSE
BY SEX
WISCONSIN 1987

(RESIDENT DATA)

		TOTAL	MALE	FEMALE
278	OBESITY AND OTHER HYPERALIMENTATION	20	8	12
279	DISORDERS INVOLVING THE IMMUNE MECHANISM	5	3	2
IV.	DISEASES OF BLOOD AND BLOOD-FORMING ORGANS (280-289)	156	81	75
280	IRON DEFICIENCY ANEMIAS	3	1	2
281	OTHER DEFICIENCY ANEMIAS	3	1	2
282	HEREDITARY HEMOLYTIC ANEMIAS	6	4	2
283	ACQUIRED HEMOLYTIC ANEMIAS	5	1	4
284	APLASTIC ANEMIA	22	10	12
285	OTHER AND UNSPECIFIED ANEMIAS	29	12	17
286	COAGULATION DEFECTS	21	11	10
287	PURPURA AND OTHER HEMORRHAGIC CONDITIONS	19	13	6
288	DISEASES OF WHITE BLOOD CELLS	9	5	4
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	39	23	16
V.	MENTAL DISORDERS (290-319)	545	219	326
	ORGANIC PSYCHOTIC CONDITIONS (290-294)	213	64	149
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	205	60	145
291	ALCOHOLIC PSYCHOSES	6	4	2
294	OTHER ORGANIC PSYCHOTIC CONDITIONS (CHRONIC)	2		2
	OTHER PSYCHOSES (295-299)	66	24	42
295	SCHIZOPHRENIC PSYCHOSES	5	2	3
296	AFFECTIVE PSYCHOSES	3		3
298	OTHER NON-ORGANIC PSYCHOSES	58	22	36
	NEUROTIC, PERSONALITY AND OTHER NONPSYCHOTIC MENTAL DISORDERS (300-316)	259	129	130
300	NEUROTIC DISORDERS	2	2	
303	ALCOHOL DEPENDENCE SYNDROME	62	48	14
304	DRUG DEPENDENCE	2	1	1
305	NONDEPENDENT ABUSE OF DRUGS	16	14	2
306	PHYSIOLOGICAL MALFUNCTION ARISING FROM MENTAL FACTORS	1	1	
307	SPECIAL SYMPTOMS OR SYNDROMES NOT ELSEWHERE CLASSIFIED	8	4	4
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDER AFTER ORGANIC BRAIN DAMAGE	153	55	98
311	DEPRESSIVE DISORDER, NOT ELSEWHERE CLASSIFIED	15	4	11
	MENTAL RETARDATION (317-319)	7	2	5
318	OTHER SPECIFIED MENTAL RETARDATION	2	1	1
319	UNSPECIFIED MENTAL RETARDATION	5	1	4
VI.	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS (320-389)	864	424	440
	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM (320-326)	31	16	15
320	BACTERIAL MENINGITIS	9	2	7
322	MENINGITIS OF UNSPECIFIED CAUSE	10	7	3
323	ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS	10	6	4
324	INTRACRANIAL AND INTRASPINAL ABSCESS	1		1
326	LATE EFFECTS OF INTRACRANIAL ABSESS OR PYOGENIC INFECTION	1	1	
	HEREDITARY & DEGENERATIVE DISEASES OF CENTRAL NERVOUS SYSTEM (330-337)	597	280	317
330	CEREBRAL DEGENERATIONS USUALLY MANIFEST IN CHILDHOOD	4		4
331	OTHER CEREBRAL DEGENERATIONS	312	128	184
332	PARKINSON'S DISEASE	144	84	60
333	OTHER EXTRAPYRAMIDAL DISEASE & ABNORMAL MOVEMENT DISORDERS	25	14	11
334	SPINOCEREBELLAR DISEASE	5	2	3
335	ANTERIOR HORN CELL DISEASE	105	50	55
336	OTHER DISEASES OF SPINAL CORD	2	2	
	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM (340-349)	195	108	87
340	MULTIPLE SCLEROSIS	47	21	26
341	OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM	3	1	2
342	HEMIPLEGIA	5	3	2
343	INFANTILE CEREBRAL PALSY	8	4	4
344	OTHER PARALYTIC SYNDROMES	16	12	4
345	EPILEPSY	24	17	7
348	OTHER CONDITIONS OF BRAIN	75	42	33
349	OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	17	8	9
	DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM (350-359)	40	20	20
352	DISORDERS OF OTHER CRANIAL NERVES	2	1	1
355	MONONEURITIS OF LOWER LIMB	2		2
356	HEREDITARY AND IDIOPATHIC PERIPHERAL NEUROPATHY	7	4	3
357	INFLAMMATORY AND TOXIC NEUROPATHY	3	2	1
358	MYONEURAL DISORDERS	9	2	7
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	17	11	6
	DISORDERS OF THE EYE AND ADNEXA (360-379)	1		1
366	CATARACT	1		1
VII.	DISEASES OF THE CIRCULATORY SYSTEM (390-459)	20302	9957	10345
	ACUTE RHEUMATIC FEVER (390-392)	2	1	1
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	2	1	1
	CHRONIC RHEUMATIC HEART DISEASE (393-398)	131	49	82
394	DISEASES OF MITRAL VALVE	67	26	41
396	DISEASES OF MITRAL AND AORTIC VALVES	26	12	14

TABLE 2.4

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		TOTAL	MALE	FEMALE
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	11	4	7
398	OTHER RHEUMATIC HEART DISEASE	27	7	20
HYPERTENSIVE DISEASE (401-404)		527	236	291
401	ESSENTIAL HYPERTENSION	86	41	45
402	HYPERTENSIVE HEART DISEASE	299	124	175
403	HYPERTENSIVE RENAL DISEASE	90	45	45
404	HYPERTENSIVE HEART AND RENAL DISEASE	52	26	26
ISCHEMIC HEART DISEASE (410-414)		11699	6151	5548
410	ACUTE MYOCARDIAL INFARCTION	5914	3275	2639
411	OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE	30	21	9
412	OLD MYOCARDIAL INFARCTION	21	14	7
413	ANGINA PECTORIS	19	6	13
414	OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	5715	2835	2880
DISEASES OF PULMONARY CIRCULATION (415-417)		285	137	148
415	ACUTE PULMONARY HEART DISEASE	238	114	124
416	CHRONIC PULMONARY HEART DISEASE	44	21	23
417	OTHER DISEASES OF PULMONARY CIRCULATION	3	2	1
OTHER FORMS OF HEART DISEASE (420-429)		3199	1523	1676
421	ACUTE AND SUBACUTE ENDOCARDITIS	16	7	9
422	ACUTE MYOCARDITIS	8	4	4
423	OTHER DISEASES OF PERICARDIUM	11	5	6
424	OTHER DISEASES OF ENDOCARDIUM	251	110	141
425	CARDIOMYOPATHY	376	233	143
426	CONDUCTION DISORDERS	24	10	14
427	CARDIAC DYSRHYTHMIAS	641	312	329
428	HEART FAILURE	959	433	526
429	ILL-DEFINED DESCRIPTIONS AND COMPLICATIONS OF HEART DISEASE	913	409	504
CEREBROVASCULAR DISEASE (430-438)		3389	1329	2060
430	SUBARACHNOID HEMORRHAGE	141	57	84
431	INTRACEREBRAL HEMORRHAGE	385	173	212
432	OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE	38	12	26
433	OCCLUSION AND STENOSIS OF PRECEREBAL ARTERIES	34	16	18
434	OCCLUSION OF CEREBRAL ARTERIES	463	184	279
435	TRANSIENT CEREBRAL ISCHEMIA	8	5	3
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1903	730	1173
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	233	69	164
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE	184	83	101
DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (440-448)		982	490	492
440	ARTERIOSCLEROSIS	460	178	282
441	AORTIC ANEURYSM	342	233	109
442	OTHER ANEURYSM	15	10	5
443	OTHER PERIPHERAL VASCULAR DISEASE	72	27	45
444	ARTERIAL EMBOLISM AND THROMBOSIS	49	20	29
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	11	4	7
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	33	18	15
DISEASES OF VEINS, LYMPHATICS & OTHER CIRCULATORY SYSTEM DISEASE (451-459)		88	41	47
451	PHLEBITIS AND THROMBOPHLEBITIS	26	13	13
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	6	1	5
454	VARICOSE VEINS OF LOWER EXTREMITIES	4	2	2
456	VARICOSE VEINS OF OTHER SITES	5	2	3
457	NONINFECTIVE DISORDERS OF LYMPHATIC CHANNELS	2	1	1
458	HYPOTENSION	17	8	9
459	OTHER DISORDERS OF CIRCULATORY SYSTEM	28	14	14
VIII. DISEASES OF THE RESPIRATORY SYSTEM (460-519)		3482	1960	1522
ACUTE RESPIRATORY INFECTIONS (460-466)		14	6	8
464	ACUTE LARYNGITIS AND TRACHEITIS	1	1	
465	ACUTE UPPER RESP. INFECTIONS OF MULTIPLE OR UNSPECIFIED SITE	7		7
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	6	5	1
OTHER DISEASES OF UPPER RESPIRATORY TRACT (470-478)		11	8	3
473	CHRONIC SINUSITIS	2	2	
475	PERITONSILLAR ABSCESS	2		2
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	7	6	1
PNEUMONIA AND INFLUENZA (480-487)		1501	745	756
480	VIRAL PNEUMONIA	11	5	6
481	PNEUMOCOCCAL PNEUMONIA	26	10	16
482	OTHER BACTERIAL PNEUMONIA	44	24	20
483	PNEUMONIA DUE TO OTHER SPECIFIED ORGANISM	2	1	1
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	161	87	74
486	PNEUMONIA, ORGANISM UNSPECIFIED	1236	608	628
487	INFLUENZA	21	10	11
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS (490-496)		1492	959	533
490	BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	13	5	8
491	CHRONIC BRONCHITIS	55	36	19
492	EMPHYSEMA	268	186	82
493	ASTHMA	92	47	45
494	BRONCHIECTASIS	10	5	5

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		TOTAL	MALE	FEMALE
495	EXTRINSIC ALLERGIC ALVEOLITIS	4	4	
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	1050	676	374
	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS (500-508)	196	98	98
501	ASBESTOSIS	4	4	
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	7	7	
505	PNEUMOCONIOSIS, UNSPECIFIED	1		1
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	183	87	96
508	RESPIRATORY COND. DUE TO OTHER & UNSPEC. EXTERNAL AGENTS	1		1
	OTHER DISEASES OF RESPIRATORY SYSTEM (510-519)	268	144	124
510	EMPYEMA	12	6	6
511	PLEURISY	6	2	4
512	PNEUMOTHORAX	4	1	3
513	ABSCESS OF LUNG AND MEDIASTINUM	8	4	4
514	PULMONARY CONGESTION AND HYPOSTASIS	13	5	8
515	POSTINFLAMMATORY PULMONARY FIBROSIS	105	59	46
516	OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	14	9	5
518	OTHER DISEASES OF LUNG	86	52	34
519	OTHER DISEASES OF RESPIRATORY SYSTEM	20	6	14
IX.	DISEASES OF THE DIGESTIVE SYSTEM (520-579)	1411	708	703
	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS (520-529)	6		6
527	DISEASES OF THE SALIVARY GLANDS	5		5
528	DISEASES OF ORAL SOFT TISSUES, EX. GINGIVA & TONGUE LESIONS	1		1
	DISEASES OF ESOPHAGUS, STOMACH AND DUODENUM (530-537)	180	81	99
530	DISEASES OF ESOPHAGUS	40	17	23
531	GASTRIC ULCER	40	16	24
532	DUODENAL ULCER	43	23	20
533	PEPTIC ULCER, SITE UNSPECIFIED	36	17	19
534	GASTROJEJUNAL ULCER	1	1	
535	GASTRITIS AND DUODENITIS	9	4	5
536	DISORDERS OF FUNCTION OF STOMACH	5	3	2
537	OTHER DISORDERS OF STOMACH AND DUODENUM	6		6
	APPENDICITIS (540-543)	7	7	
540	ACUTE APPENDICITIS	7	7	
	HERNIA OF ABDOMINAL CAVITY (550-553)	38	18	20
550	INGUINAL HERNIA	3	3	
551	OTHER HERNIA OF ABDOMINAL CAVITY, WITH GANGRENE	1		1
552	OTHER ABDOM. CAV. HERNIA, W/ OBSTRUCTION W/O MENTION OF GANGRENE	13	8	5
553	OTHER ABDOM. CAV. HERINA, W/O MENTION OF OBSTRUCTION OR GANGRENE	21	7	14
	NONINFECTIVE ENTERITIS AND COLITIS (555-558)	185	78	107
555	REGIONAL ENTERITIS	4	1	3
556	IDIOPATHIC PROCTOCOLITIS	6	5	1
557	VASCULAR INSUFFICIENCY OF INTESTINE	155	63	92
558	OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	20	9	11
	OTHER DISEASES OF INTESTINES AND PERITONEUM (560-569)	216	85	131
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERINA	87	32	55
562	DIVERTICULA OF INTESTINE	60	23	37
564	FUNCTIONAL DIGESTIVE DISORDERS, NOT ELSEWHERE CLASSIFIED	4	3	1
566	ABSCESS OF ANAL AND RECTAL REGIONS	6		6
567	PERITONITIS	24	11	13
568	OTHER DISORDERS OF PERITONEUM	2	1	1
569	OTHER DISORDERS OF INTESTINE	33	15	18
	OTHER DISEASES OF DIGESTIVE SYSTEM (570-579)	779	439	340
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	5	1	4
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	415	261	154
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	67	40	27
573	OTHER DISORDERS OF LIVER	18	8	10
574	CHOLELITHIASIS	31	10	21
575	OTHER DISORDERS OF GALLBLADDER	28	13	15
576	OTHER DISORDERS OF BILIARY TRACT	16	6	10
577	DISEASES OF PANCREAS	46	26	20
578	GASTROINTESTINAL HEMORRHAGE	150	73	77
579	INTESTINAL MALABSORPTION	3	1	2
X.	DISEASES OF THE GENITOURINARY SYSTEM (580-629)	772	364	408
	NEPHRITIS, NEPHROTIC SYNDROME AND NEPHOSIS (580-589)	414	204	210
580	ACUTE GLOMERULONEPHRITIS	1	1	
581	NEPHROTIC SYNDROME	7	3	4
582	CHRONIC GLOMERULONEPHRITIS	26	13	13
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	11	7	4
584	ACUTE RENAL FAILURE	55	26	29
585	CHRONIC RENAL FAILURE	91	46	45
586	RENAL FAILURE, UNSPECIFIED	222	107	115
587	RENAL SCLEROSIS, UNSPECIFIED	1	1	
	OTHER DISEASES OF URINARY SYSTEM (590-599)	336	139	197
590	INFECTIONS OF KIDNEY	33	13	20
591	HYDRONEPHROSIS	1	1	

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		TOTAL	MALE	FEMALE
592	CALCULUS OF KIDNEY AND URETER	10	4	6
593	OTHER DISORDERS OF KIDNEY AND URETER	43	26	17
594	CALCULUS OF LOWER URINARY TRACT	2	2	
595	CYSTITIS	9	3	6
596	OTHER DISORDERS OF BLADDER	4	3	1
597	URETHRITIS, NOT SEXUALLY TRANSMITTED, AND URETHRAL SYNDROME	2	1	1
598	URETHRAL STRICTURE	1	1	
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	231	85	146
	DISEASES OF MALE GENITAL ORGANS (600-608)	21	21	
600	HYPERPLASIA OF PROSTATE	16	16	
602	OTHER DISORDERS OF PROSTATE	2	2	
604	ORCHITIS AND EPIDIDYMITIS	1	1	
608	OTHER DISORDERS OF MALE GENITAL ORGANS	2	2	
	INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS (614-616)	1		1
614	INFLAM. DIS. OF OVARY, FALLOP. TUBE, PELVIC CELL TISS. & PERITON	1		1
XI.	COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (630-676)	3		3
	COMPLICATIONS MAINLY RELATED TO PREGNANCY (640-648)	2		2
641	ANTEPARTUM HAEMORRHAGE, ABRUPTIO PLACENTAE, & PLACENTA PRAEVIA	1		1
642	HYPERTENSION COMPLICATING PREGNANCY, CHILDBIRTH & THE PUERPERIUM	1		1
	COMPLICATIONS OF THE PUERPERIUM (670-676)	1		1
673	OBSTETRICAL PULMONARY EMBOLISM	1		1
XII.	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE (680-709)	53	18	35
	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE (680-686)	18	8	10
682	OTHER CELLULITIS AND ABSCESS	14	6	8
686	OTHER LOCAL INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	4	2	2
	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE (690-698)	8	2	6
694	BULLOUS DERMATOSES	5	2	3
695	ERYTHEMATOUS CONDITIONS	2		2
696	PSORIASIS AND SIMILAR DISORDERS	1		1
	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE (700-709)	27	8	19
707	CHRONIC ULCER OF SKIN	27	8	19
XIII.	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (710-739)	142	47	95
	ARTHROPATHIES AND RELATED DISORDERS (710-719)	90	29	61
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE	28	11	17
711	ARTHROPATHY ASSOCIATED WITH INFECTIONS	1		1
714	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	38	13	25
715	OSTEOARTHROSIS AND ALLIED DISORDERS	13	3	10
716	OTHER AND UNSPECIFIED ARTHROPATHIES	6		6
718	OTHER DERANGEMENT OF JOINT	1		1
719	OTHER AND UNSPECIFIED DISORDER OF JOINT	3	2	1
	DORSOPATHIES (720-724)	8	5	3
720	ANKYLOSING SPONDYLITIS AND OTHER INFLAMMATORY SPONDYLOPATHIES	1	1	
721	SPONDYLOSIS AND ALLIED DISORDERS	2	1	1
722	INTERVERTEBRAL DISC DISORDERS	1	1	
724	OTHER AND UNSPECIFIED DISORDERS OF BACK	4	2	2
	RHEUMATISM, EXCLUDING THE BACK (725-729)	12	8	4
725	POLYMYALGIA RHEUMATICA	1		1
728	DISORDERS OF MUSCLE, LIGAMENT AND FASCIA	5	3	2
729	OTHER DISORDERS OF SOFT TISSUES	6	5	1
	OSTEOPATHIES, CHONDROPATHIES & ACQUIRED MUSCULOSKELETAL DEFORM. (730-739)	32	5	27
730	OSTEOMYELITIS, PERIOSTITIS AND OTHER INFECTIONS INVOLVING BONE	7	2	5
731	OSTEITIS DEFORMANS & OSTEOPATHIES ASSOC. W/ OTHER DISORDERS	5	2	3
733	OTHER DISORDERS OF BONE AND CARTILAGE	16	1	15
737	CURVATURE OF SPINE	4		4
XIV.	CONGENITAL ANOMALIES (740-759)	233	134	99
740	ANENCEPHALUS AND SIMILAR ANOMALIES	13	8	5
741	SPINA BIFIDA	3	2	1
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	21	12	9
745	BULBUS CORDIS AND CARDIAC SEPTAL CLOSURE ANOMALIES	30	9	21
746	OTHER CONGENITAL ANOMALIES OF HEART	44	30	14
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	18	12	6
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	32	19	13
750	OTHER CONGENITAL ANOMALIES OF UPPER ALIMENTARY TRACT	1		1
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	3	1	2
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	14	10	4
754	CERTAIN CONGENITAL MUSCULOSKELETAL DEFORMITIES	1		1
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	12	5	7
757	CONGENITAL ANOMALIES OF THE INTEGUMENT	2	2	
758	CHROMOSOMAL ANOMALIES	24	12	12
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	15	12	3
XV.	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (760-779)	245	138	107
760	FETUS/NEWBORN AFFECTED BY POSSIBLE UNRELATED MAT. COND. OF PREG.	1		1

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		TOTAL	MALE	FEMALE
761	FETUS/NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY ..	41	24	17
762	FETUS/NEWBORN AFFECTED BY COMPS. OF PLACENTA, CORD & MEMBRANES .	16	9	7
763	FETUS/NEWBORN AFFECTED BY OTHER COMPS. OF LABOR AND DELIVERY ...	3	3	
765	DISORDERS RELATING TO SHORT GESTATION & UNSPEC. LOW BIRTHWEIGHT	40	24	16
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	5	1	4
769	RESPIRATORY DISTRESS SYNDROME	34	22	12
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN	54	29	25
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	11	6	5
772	FETAL AND NEONATAL HEMORRHAGE	5	1	4
776	HAEMATOLOGICAL DISORDERS OF FETUS AND NEWBORN	1		1
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM	5	3	2
778	CONDS. INVOLVING INTEGUMENT & TEMPERATURE REG. OF FETUS/NEWBORN	5	2	3
779	OTHER & ILL-DEFINED CONDITIONS ORIGINATING IN PERINATAL PERIOD .	24	14	10
XVI.	SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS (780-799)	215	133	82
	SYMPTOMS (780-789)	28	11	17
780	GENERAL SYMPTOMS	7	3	4
781	SYMPTOMS INVOLVING NERVOUS AND MUSCULOSKELETAL SYSTEMS	1	1	
783	SYMPTOMS INVOLVING NUTRITION, METABOLISM AND DEVELOPMENT	1		1
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	16	7	9
786	SYMPTOMS INVOLVING RESPIRATORY SYSTEM AND OTHER CHEST SYMPTOMS .	2		2
789	OTHER SYMPTOMS INVOLVING ABDOMEN AND PELVIS	1		1
	NONSPECIFIC ABNORMAL FINDINGS (790-796)	1	1	
791	NONSPECIFIC FINDINGS ON EXAMINATION OF URINE	1	1	
	ILL-DEFINED & UNKNOWN CAUSES OF MORBIDITY AND MORTALITY (797-799)	186	121	65
797	SENILITY WITHOUT MENTION OF PSYCHOSIS	3		3
798	SUDDEN DEATH, CAUSE UNKNOWN	134	86	48
799	OTHER ILL-DEFINED & UNKNOWN CAUSES OF MORBIDITY AND MORTALITY ..	49	35	14
XVII.	SUPPLEMENTARY CLASSIF. OF EXTERNAL CAUSES OF INJURY & POISONING (800-999)	2533	1809	724
	RAILWAY ACCIDENTS (800-807)	4	4	
805	HIT BY ROLLING STOCK	4	4	
	MOTOR VEHICLE TRAFFIC ACCIDENTS (810-819)	794	551	243
810	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH TRAIN ..	10	7	3
812	OTHER MOTOR VEHICLE TRAFFIC ACC. INVOLV. COLLIS. W/MOTOR VEHICLE	380	228	152
813	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLV. COLLISION W/OTHER VEHICLE	18	18	
814	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION W/PEDESTRIAN	71	56	15
815	OTHER MOTOR VEHICLE TRAFFIC ACC. INVOLVING COLLISION ON HIGHWAY	105	84	21
816	MOTOR VEHIC. TRAFFIC ACC. DUE TO CONTROL LOSS W/O HIGHWAY COLL.	178	136	42
817	NON-COLLISION MOTOR VEHICLE TRAFFIC ACCIDENT WHILE BOARDING	1	1	
818	OTHER NON-COLLISION MOTOR VEHICLE TRAFFIC ACCIDENT	13	7	6
819	MOTOR VEHICLE TRAFFIC ACCIDENT OF UNSPECIFIED NATURE	18	14	4
	MOTOR VEHICLE NONTRAFFIC ACCIDENTS (820-825)	24	19	5
820	NONTRAFFIC ACCIDENT INVOLVING MOTOR-DRIVEN SNOW VEHICLE	6	5	1
821	NONTRAFFIC ACCIDENT INVOLVING OTHER OFF-ROAD MOTOR VEHICLE	8	7	1
822	OTHER MOTOR VEHICLE NONTRAF. ACC. INVOLV. COLL. W/ MOVING OBJECT	7	4	3
825	OTHER MOTOR VEHIC. NONTRAF. ACC. OF OTHER & UNSPEC. NATURE	3	3	
	OTHER ROAD VEHICLE ACCIDENTS (826-829)	3	1	2
826	PEDAL CYCLE ACCIDENT	2		2
827	OTHER, MULTIPLE AND ILL-DEFINED FRACTURES OF LOWER LIMB	1	1	
	WATER TRANSPORT ACCIDENTS (830-838)	17	14	3
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	4	3	1
831	ACCIDENT TO WATERCRAFT CAUSING OTHER INJURY	2	2	
832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT ACCID	9	7	2
838	OTHER AND UNSPECIFIED WATER TRANSPORT ACCIDENT	2	2	
	AIR AND SPACE TRANSPORT ACCIDENTS (840-845)	16	13	3
840	ACCIDENT TO POWERED AIRCRAFT AT TAKEOFF OR LANDING	1	1	
841	ACCIDENT TO POWERED AIRCRAFT, OTHER AND UNSPECIFIED	15	12	3
	VEHICLE ACCIDENTS NOT ELSEWHERE CLASSIFIABLE (846-848)	2		2
848	ACCIDENTS INVOLVING OTHER VEHICLES NOT ELSEWHERE CLASSIFIABLE ..	2		2
	ACCIDENTAL POISONING BY DRUGS, MEDICAMENTS & BIOLOGICALS (850-858)	55	33	22
850	ACCIDENTAL POISONING BY ANALGESICS, ANTIPYRETIC & ANTIRHEUMATICS	15	5	10
851	ACCIDENTAL POISONING BY BARBITURATES	1	1	
854	ACCIDENTAL POISONING BY OTHER PSYCHOTROPIC AGENTS	3	1	2
855	ACC. POISON. BY OTHER DRUGS ACTING ON CENT. & AUTONOMIC NER. SYS	6	3	3
856	ACCIDENTAL POISONING BY ANTIBIOTICS	1	1	
858	ACCIDENTAL POISONING BY OTHER DRUGS	29	22	7
	ACCIDENTAL POISONING BY OTHER SOLIDS, LIQUIDS, GASES OR VAPORS (860-869) .	32	25	7
860	ACCIDENTAL POISONING BY ALCOHOL, NOT ELSEWHERE CLASSIFIED	3	2	1
866	ACC. POIS. BY OTHER & UNSPEC. SOLID & LIQUID SUBSTANCES	1		1
867	ACCIDENTAL POISONING BY GAS DISTRIBUTED BY PIPELINE	2	2	
868	ACCIDENTAL POISONING BY OTHER UTILITY GAS & OTHER CARB. MONOXIDE	25	20	5
869	ACCIDENTAL POISONING BY OTHER GASES AND VAPOURS	1	1	
	MISADVENTURES TO PATIENTS DURING SURGICAL AND MEDICAL CARE (870-876)	7	1	6
870	ACCIDENTAL CUT, PUNCTURE, PERFORATION DURING MEDICAL CARE	5		5
876	OTHER AND UNSPECIFIED MISADVENTURES DURING MEDICAL CARE	2	1	1
	SURG/MED PROC. CAUSING ABNORM. REACT./COMP.,W/O MENT. OF MISAD. (878-879).	9	7	2

TABLE 2.4

DEATHS BY CAUSE
BY SEX
WISCONSIN 1987

(RESIDENT DATA)

		TOTAL	MALE	FEMALE
878	SURG. OPS. & PROCS. CAUSING ABNORMAL REACT. OR LATER COMPLICAT.	7	5	2
879	OTHER PROCEDURES AS CAUSE OF ABNORMAL REACTION OR LATER COMPLIC.	2	2	
ACCIDENTAL FALLS (880-888)		295	158	137
880	FALL ON OR FROM STAIRS OR STEPS	43	26	17
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	11	11	
882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	8	6	2
883	FALL INTO HOLE OR OTHER OPENING IN SURFACE	1		1
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	33	17	16
885	FALL ON SAME LEVEL FROM SLIPPING, TRIPPING OR STUMBLING	18	6	12
886	FALL ON SAME LEVEL FROM COLLISION, PUSHING BY ANOTHER PERSON	1	1	
887	FRACTURE, CAUSE UNSPECIFIED	21	10	11
888	OTHER AND UNSPECIFIED FALL	159	81	78
ACCIDENTS CAUSED BY FIRE AND FLAMES (890-899)		84	57	27
890	CONFLAGRATION IN PRIVATE DWELLING	76	51	25
891	CONFLAGRATION IN OTHER AND UNSPECIFIED BUILDING OR STRUCTURE	2	2	
892	CONFLAGRATION NOT IN BUILDING OR STRUCTURE	3	3	
893	ACCIDENT CAUSED BY IGNITION OF CLOTHING	1		1
898	ACCIDENT CAUSED BY OTHER SPECIFIED FIRE AND FLAMES	1		1
899	ACCIDENT CAUSED BY UNSPECIFIED FIRE	1	1	
ACCIDENTS DUE TO NATURAL AND ENVIRONMENTAL FACTORS (900-909)		19	14	5
900	EXCESSIVE HEAT	2	2	
901	EXCESSIVE COLD	9	6	3
904	HUNGER, THIRST, EXPOSURE, NEGLECT	1	1	
905	VENOMOUS ANIMALS & PLANTS CAUSING POISONING & TOXIC REACTIONS	1		1
906	OTHER INJURY CAUSED BY ANIMALS	5	4	1
909	CATACLYSMIC EARTH SURFACE MOVEMENTS AND ERUPTIONS	1	1	
ACCIDENTS CAUSED BY SUBMERSION, SUFFOCATION, & FOREIGN BODIES (910-915)		139	103	36
910	ACCIDENTAL DROWNING AND SUBMERSION	60	53	7
911	FOOD INHALATION & INGESTION CAUSING RESP. TRACT OBS./SUFFOCATION	29	17	12
912	OTHER OBJECT INHAL./INGES. CAUSING RESP. TRACT OBS./SUFFOCATION	20	10	10
913	ACCIDENTAL MECHANICAL SUFFOCATION	30	23	7
OTHER ACCIDENTS (916-928)		122	109	13
916	STRUCK ACCIDENTALLY BY FALLING OBJECT	20	20	
917	STRIKING AGAINST OR STRUCK ACCIDENTALLY BY OBJECTS OR PERSONS	8	7	1
918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS	1	1	
919	ACCIDENT CAUSED BY MACHINERY	35	33	2
920	ACCIDENT CAUSED BY CUTTING AND PIERCING INSTRUMENTS OR OBJECTS	1	1	
922	ACCIDENT CAUSED BY FIREARM MISSILE	22	20	2
923	ACCIDENT CAUSED BY EXPLOSIVE MATERIAL	4	4	
924	ACC. CAUSED BY HOT, CAUSTIC OR CORROSIVE MATERIAL AND STEAM	4	1	3
925	ACCIDENT CAUSED BY ELECTRIC CURRENT	9	9	
927	OVEREXERTION AND STRENUOUS MOVEMENTS	2	1	1
928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSES	16	12	4
LATE EFFECTS OF ACCIDENTAL INJURY (929)		9	5	4
929	LATE EFFECTS OF ACCIDENTAL INJURY	9	5	4
DRUGS, MEDS. AND BIO. SUBSTANCES CAUSING ADVERSE EFF. IN THERAPY (930-949)		1	1	
947	OTHER AND UNSPECIFIED DRUGS AND MEDICAMENTS	1	1	
SUICIDE AND SELF-INFLICTED INJURY (950-959)		680	548	132
950	SUICIDE & SELF-INFLICTED POISONING BY SOLID OR LIQUID SUBSTANCES	66	28	38
951	SUICIDE & SELF-INFLICTED POISONING BY GASES IN DOMESTIC USE	3	2	1
952	SUICIDE & SELF-INFLICTED POISONING BY OTHER GASES AND VAPORS	132	98	34
953	SUICIDE/SELF-INFLICTED INJURY BY HANGING, STRANGULATION & SUFFOC	92	70	22
954	SUICIDE & SELF-INFLICTED INJURY BY SUBMERSION (DROWNING)	17	9	8
955	SUICIDE & SELF-INFLICTED INJURY BY FIREARMS AND EXPLOSIVES	348	322	26
956	SUICIDE & SELF-INFLICTED INJURY BY CUTTING, PIERCING INSTRUMENTS	4	4	
957	SUICIDE & SELF-INFLICTED INJURY BY JUMPING FROM HIGH PLACE	10	8	2
958	SUICIDE & SELF-INFLICTED INJURY BY OTHER AND UNSPECIFIED MEANS	8	7	1
HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS (960-969)		175	115	60
962	ASSAULT BY POISONING	1		1
963	ASSAULT BY HANGING AND STRANGULATION	11	3	8
965	ASSAULT BY FIREARMS & EXPLOSIVES	83	59	24
966	ASSAULT BY CUTTING & PIERCING INSTRUMENT	34	22	12
967	CHILD BATTERING & OTHER MALTREATMENT	1	1	
968	ASSAULT BY OTHER & UNSPECIFIED MEANS	45	30	15
INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)		46	31	15
980	POISONING BY SOLID OR LIQUID SUBSTANCES	11	6	5
982	POISONING BY OTHER GASES	8	7	1
983	HANGING, STRANGULATION OR SUFFOCATION	1	1	
984	SUBMERSION (DROWNING)	6	6	
985	INJURY BY FIREARMS AND EXPLOSIVES	3	2	1
988	INJURY BY OTHER AND UNSPECIFIED MEANS	17	9	8

TABLE 2.5

DEATHS BY CAUSE GROUP
BY AGE AND SEX
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		TOTAL	ALL AGES MALE	ALL AGES FEMALE	UNDER 1 * MALE	UNDER 1 * FEMALE	< 28 DAYS MALE	< 28 DAYS FEMALE	< 7 DAYS MALE	< 7 DAYS FEMALE	< 1 DAY MALE	< 1 DAY FEMALE
TOTAL		42074	21775	20299	356	255	207	154	177	132	139	102
AGE/SEX SPECIFIC DEATH RATE **		874.9	926.6	825.5	936.8	728.6						
TUBERCULOSIS	010-018	29	16	13								
SEPTICEMIA	038	318	141	177		4						
OTHER INFECTIONS AND PARASITIC	***	202	135	67	3	1						
MALIGNANT NEOPLASMS	140-208	9423	4991	4432	1							
LIP, ORAL CAVITY, PHARYNX	140-149	154	105	49								
DIGESTIVE ORG. AND PERITONEUM	150-159	2425	1298	1127								
RESPIRATORY AND INTRATHORACIC	160-165	2267	1518	749								
BREAST	174-175	852	4	848								
GENITAL ORGANS	179-187	1125	669	456								
URINARY ORGANS	188-189	447	288	159								
OTHER AND UNSPEC SITES 170-173,	190-199	1211	613	598								
OTHER LYMPH. AND HEMATOP.	200-203	569	281	288								
LEUKEMIA	204-208	373	215	158	1							
BENIGN AND UNCERTAIN NEOPLASMS	210-239	109	51	58								
DIABETES MELLITUS	250	769	334	435								
NUTRITIONAL DEFICIENCIES	260-269	74	24	50								
ANEMIAS	280-285	68	29	39								
MENINGITIS	320-322	19	9	10	1	3		1		1		
CIRCULATORY DISEASE	391-448	20214	9916	10298	8	5	1		1		1	
HEART 391-398,402,	404-429	15667	8011	7656	7	5	1		1		1	
RHEUMATIC FEVER	391-398	133	50	83		1						
HYPERTENSIVE HEART DISEASE	402	299	124	175								
HYP. HEART AND RENAL DISEASE	404	52	26	26								
ISCHEMIC HEART DISEASE	410-414	11699	6151	5548								
ACUTE (INCL/MYO. INFARC)	410-411	5944	3296	2648								
CHRONIC (INCL. OLD M.I.)	412-414	5755	2855	2900								
OTHER ENDOCARDIAL DISEASES	424	251	110	141								
OTHER HEART DISEASE 415-423,	425-429	3233	1550	1683	7	4	1		1		1	
HYPERTENSION W/ OR W/O RENAL	401,403	176	86	90								
CEREBROVASCULAR DISEASES	430-438	3389	1329	2060	1							
INTRACRANIAL HEMORRHAGE	431,432	423	185	238								
CEREBRAL OCCLUSION	434	463	184	279								
OTHER CEREBROVASC. 430,433,	435-438	2503	960	1543	1							
ATHEROSCLEROSIS	440	460	178	282								
OTHER ARTERIAL DISEASE	441-448	522	312	210								
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	6	5	1								
PNEUMONIA AND INFLUENZA	480-487	1501	745	756	6	4	3	1	2			
PNEUMONIA	480-486	1480	735	745	6	4	3	1	2			
CHRONIC OBSTRUCTIVE PULMONARY	490-496	1492	959	533								
CHRONIC & UNSPEC. BRONCHITIS	490-491	68	41	27								
EMPHYSEMA	492	268	186	82								
ASTHMA	493	92	47	45								
OTHER CHRONIC PULMONARY	494-496	1064	685	379								
ULCER OF STOMACH AND DUODENUM	531-533	119	56	63								
APPENDICITIS	540-543	7	7									
ABD. HERNIA & INTEST. OBSTR. 550-	553,560	125	50	75	1	1	1		1		1	
CHRONIC LIVER DIS. AND CIRRHOSIS	571	415	261	154								
CHOLELITHIASIS AND GALLBLADDER	574-575	59	23	36								
NEPHRITIS AND NEPHROSIS	580-589	414	204	210		1		1				
INFECTIONS OF THE KIDNEY	590	33	13	20								
HYPERPLASIA OF THE PROSTATE	600	16	16									
COMPLICATIONS OF PREGNANCY	630-676	3		3								
OTHER COMPLICATIONS	640-676	3		3								
CONGENITAL ANOMALIES	740-759	233	134	99	82	64	62	48	51	38	31	26
CONDITIONS OF PERINATAL PERIOD	760-779	245	138	107	136	106	130	98	120	92	106	78
BIRTH TRAUMA	767-769	39	23	16	23	16	22	15	19	14	18	12
OTHER PERINATAL CONDS. 760-766,	770-779	206	115	91	113	90	108	83	101	78	90	66
ILL DEFINED CONDITIONS	780-799	215	133	82	87	47	6	3				
ALL OTHER DISEASES		3433	1576	1857	14	10	2	2		1		
ACCIDENTS AND ADVERSE EFFECTS	800-949	1632	1115	517	9	6	1		1			
MOTOR VEHICLE ACCIDENTS	810-825	818	570	248	1		1		1			
OTHER 800-807,	826-949	814	545	269	8	6						
SUICIDE	950-959	680	548	132								
HOMICIDE AND LEGAL INTERVENT.	960-978	175	115	60	5	3	1		1			
ALL OTHER EXTERNAL CAUSES	980-999	46	31	15	3							

* DEATHS UNDER AGE 1: EACH SUBSET (28 DAYS, 7 DAYS, 1 DAY) IS A SUBSET OF EACH PRECEDING CATEGORY.
** PER 100,000 POPULATION
*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.5

DEATHS BY CAUSE GROUP
BY AGE AND SEX
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		1-4		5-9		10-14		15-19		20-24	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL		78	58	53	25	56	21	187	73	255	86
AGE/SEX SPECIFIC DEATH RATE **		51.3	39.5	27.9	13.5	32.9	12.7	100.0	39.2	139.3	47.0
TUBERCULOSIS	010-018										
SEPTICEMIA	038										
OTHER INFECTIONS AND PARASITIC	***	4	1	2	2					1	
MALIGNANT NEOPLASMS	140-208	4	3	4	5	7	2	10	5	12	7
LIP, ORAL CAVITY, PHARYNX	140-149										
DIGESTIVE ORG. AND PERITONEUM	150-159				1						
RESPIRATORY AND INTRATHORACIC	160-165		1					1			
BREAST	174-175										
GENITAL ORGANS	179-187							1			
URINARY ORGANS	188-189										
OTHER AND UNSPEC SITES 170-173,	190-199	2	2	2	4	5	1	5	4	7	2
OTHER LYMPH. AND HEMATOP.	200-203						1	1		1	2
LEUKEMIA	204-208	2		2		2		2	1	4	3
BENIGN AND UNCERTAIN NEOPLASMS	210-239								2		1
DIABETES MELLITUS	250			1				2	1	1	2
NUTRITIONAL DEFICIENCIES	260-269										
ANEMIAS	280-285										
MENINGITIS	320-322	1				1					
CIRCULATORY DISEASE	391-448	7	5	4	1	1	2	3	3	10	6
HEART 391-398,402,	404-429	4	5	3	1			3	3	7	4
RHEUMATIC FEVER	391-398									1	1
HYPERTENSIVE HEART DISEASE	402										
HYP. HEART AND RENAL DISEASE	404										
ISCHEMIC HEART DISEASE	410-414	1						1		1	
ACUTE (INCL/MYO. INFARC)	410-411										
CHRONIC (INCL. OLD M.I.)	412-414	1						1		1	
OTHER ENDOCARDIAL DISEASES	424										
OTHER HEART DISEASE 415-423,	425-429	3	5	3	1			2	3	5	3
HYPERTENSION W/ OR W/O RENAL	401,403										
CEREBROVASCULAR DISEASES	430-438	2		1			2			2	2
INTRACRANIAL HEMORRHAGE	431,432	2		1			1			1	1
CEREBRAL OCCLUSION	434										
OTHER CEREBROVASC. 430,433,	435-438						1			1	1
ATHEROSCLEROSIS	440										
OTHER ARTERIAL DISEASE	441-448	1				1				1	
ACUTE BRONCHITIS AND BRONCHIOLITIS	466										
PNEUMONIA AND INFLUENZA	480-487	2	4								
PNEUMONIA	480-486	2	4								
CHRONIC OBSTRUCTIVE PULMONARY	490-496					3			1	1	1
CHRONIC & UNSPEC. BRONCHITIS	490-491										
EMPHYSEMA	492										
ASTHMA	493					3			1	1	1
OTHER CHRONIC PULMONARY	494-496										
ULCER OF STOMACH AND DUODENUM	531-533										
APPENDICITIS	540-543										
ABD. HERNIA & INTEST. OBSTR. 550-	553,560	1									
CHRONIC LIVER DIS. AND CIRRHOSIS	571										
CHOLELITHIASIS AND GALLBLADDER	574-575										
NEPHRITIS AND NEPHROSIS	580-589							1			
INFECTIONS OF THE KIDNEY	590	1									
HYPERPLASIA OF THE PROSTATE	600										
COMPLICATIONS OF PREGNANCY	630-676										
OTHER COMPLICATIONS	640-676										
CONGENITAL ANOMALIES	740-759	3	6	2		4		3	1	1	4
CONDITIONS OF PERINATAL PERIOD	760-779	2	1								
BIRTH TRAUMA	767-769										
OTHER PERINATAL CONDS. 760-766,	770-779	2	1								
ILL DEFINED CONDITIONS	780-799	1	5					4	1	4	
ALL OTHER DISEASES		7	7	6	3	4	2	10	7	7	5
ACCIDENTS AND ADVERSE EFFECTS	800-949	39	19	32	11	26	12	102	40	130	37
MOTOR VEHICLE ACCIDENTS	810-825	6	9	13	6	15	7	81	39	100	30
OTHER 800-807,	826-949	33	10	19	5	11	5	21	1	30	7
SUICIDE	950-959					7	1	42	7	70	16
HOMICIDE AND LEGAL INTERVENT.	960-978	4	4	1		3	2	10	5	13	4
ALL OTHER EXTERNAL CAUSES	980-999	2	3	1	3					5	3

** PER 100,000 POPULATION
*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.5

DEATHS BY CAUSE GROUP
BY AGE AND SEX
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		25-29		30-34		35-39		40-44		45-49	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL		284	95	267	113	302	155	342	216	453	291
AGE/SEX SPECIFIC DEATH RATE **		133.3	44.8	132.2	55.9	168.7	85.6	231.1	144.0	393.9	246.6
TUBERCULOSIS	010-018									1	
SEPTICEMIA	038	1				1	3	4	1	1	
OTHER INFECTIONS AND PARASITIC	***	9	1	15	1	13	3	13	3	4	3
MALIGNANT NEOPLASMS	140-208	19	9	30	18	36	66	63	79	128	143
LIP, ORAL CAVITY, PHARYNX	140-149		1	1			1	3	1	3	1
DIGESTIVE ORG. AND PERITONEUM	150-159	1		1	1	10	7	11	6	32	15
RESPIRATORY AND INTRATHORACIC	160-165			2		7	2	15	13	46	23
BREAST	174-175		1		6		26		29		56
GENITAL ORGANS	179-187	4	1	2	2	1	12	1	14	2	11
URINARY ORGANS	188-189			2		1		2	1	10	1
OTHER AND UNSPEC SITES 170-173,	190-199	8	4	10	9	8	6	24	8	18	25
OTHER LYMPH. AND HEMATOP.	200-203	3		7		3	5	4	3	12	5
LEUKEMIA	204-208	3	2	5		6	7	3	4	5	6
BENIGN AND UNCERTAIN NEOPLASMS	210-239	1			2			1		3	
DIABETES MELLITUS	250	2		6	4	2	3	8	5	9	8
NUTRITIONAL DEFICIENCIES	260-269								1		
ANEMIAS	280-285	1		2			1	1			1
MENINGITIS	320-322	1								1	
CIRCULATORY DISEASE	391-448	13	6	23	15	63	22	109	42	154	68
HEART 391-398,402,	404-429	9	4	17	12	50	18	90	31	126	53
RHEUMATIC FEVER	391-398		2	1	1	1			1		
HYPERTENSIVE HEART DISEASE	402					2					
HYP. HEART AND RENAL DISEASE	404									1	
ISCHEMIC HEART DISEASE	410-414	1	1	9	3	39	9	72	20	104	35
ACUTE (INCL/MYO. INFARC)	410-411	1	1	6	2	21	6	54	13	56	21
CHRONIC (INCL. OLD M.I.)	412-414			3	1	18	3	18	7	48	14
OTHER ENDOCARDIAL DISEASES	424	1		1			1			2	1
OTHER HEART DISEASE 415-423,	425-429	7	1	6	8	8	8	18	10	19	17
HYPERTENSION W/ OR W/O RENAL	401,403			2		1				1	1
CEREBROVASCULAR DISEASES	430-438	4	1	4	3	9	3	16	10	21	13
INTRACRANIAL HEMORRHAGE	431,432	1		1	1	4	2	3	3	9	7
CEREBRAL OCCLUSION	434									3	
OTHER CEREBROVASC. 430,433,	435-438	3	1	3	2	5	1	13	7	9	6
ATHEROSCLEROSIS	440					1					
OTHER ARTERIAL DISEASE	441-448		1			2	1	3	1	6	1
ACUTE BRONCHITIS AND BRONCHIOLITIS	466										
PNEUMONIA AND INFLUENZA	480-487		4	3	2	5	2	5	2	8	5
PNEUMONIA	480-486		4	3	2	5	2	5	2	8	5
CHRONIC OBSTRUCTIVE PULMONARY	490-496	1	1	1	2	3	1	3	4	7	4
CHRONIC & UNSPEC. BRONCHITIS	490-491										
EMPHYSEMA	492	1	1	1					1		1
ASTHMA	493				2	3	1	2	3	3	1
OTHER CHRONIC PULMONARY	494-496							1		4	2
ULCER OF STOMACH AND DUODENUM	531-533							1	1		2
APPENDICITIS	540-543										
ABD. HERNIA & INTEST. OBSTR. 550-	553,560							2			
CHRONIC LIVER DIS. AND CIRRHOSIS	571	1		2	6	11	5	14	8	20	12
CHOLELITHIASIS AND GALLBLADDER	574-575										
NEPHRITIS AND NEPHROSIS	580-589				2	1		2	1	2	4
INFECTIONS OF THE KIDNEY	590						1				
HYPERPLASIA OF THE PROSTATE	600										
COMPLICATIONS OF PREGNANCY	630-676				1		2				
OTHER COMPLICATIONS	640-676				1		2				
CONGENITAL ANOMALIES	740-759	3	4	3	1	3		1	4	1	2
CONDITIONS OF PERINATAL PERIOD	760-779										
BIRTH TRAUMA	767-769										
OTHER PERINATAL CONDS. 760-766,	770-779										
ILL DEFINED CONDITIONS	780-799	1	1	2	2	3		3	1	3	1
ALL OTHER DISEASES		12	10	15	12	21	20	29	18	30	15
ACCIDENTS AND ADVERSE EFFECTS	800-949	121	34	96	23	76	14	42	23	45	11
MOTOR VEHICLE ACCIDENTS	810-825	79	23	58	20	46	10	19	16	22	5
OTHER 800-807,	826-949	42	11	38	3	30	4	23	7	23	6
SUICIDE	950-959	70	12	53	12	48	8	31	17	30	12
HOMICIDE AND LEGAL INTERVENT.	960-978	24	12	14	7	13	4	7	5	5	
ALL OTHER EXTERNAL CAUSES	980-999	4	1	2	3	3		3	1	1	

** PER 100,000 POPULATION
*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.5

DEATHS BY CAUSE GROUP
BY AGE AND SEX
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		50-54		55-59		60-64		65-69		70-74	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL		698	376	1112	654	1736	1041	2401	1583	3097	2118
AGE/SEX SPECIFIC DEATH RATE **		698.0	365.0	1049	573.7	1754	955.0	2698	1508	4301	2277
TUBERCULOSIS	010-018			1		2	3	3	3	4	2
SEPTICEMIA	038	2	2	6	7	7	11	16	6	19	21
OTHER INFECTIONS AND PARASITIC	***	7	5	7	6	11	3	8	7	12	8
MALIGNANT NEOPLASMS	140-208	211	192	386	288	578	414	747	615	849	645
LIP, ORAL CAVITY, PHARYNX	140-149	6	1	15	7	19	7	10	8	20	7
DIGESTIVE ORG. AND PERITONEUM	150-159	53	25	116	53	158	92	200	146	219	150
RESPIRATORY AND INTRATHORACIC	160-165	74	46	136	67	213	89	258	143	290	136
BREAST	174-175		57		65		91	2	97		113
GENITAL ORGANS	179-187	9	21	16	28	35	39	92	76	112	69
URINARY ORGANS	188-189	13	6	18	2	33	10	38	20	42	23
OTHER AND UNSPEC SITES 170-173,	190-199	35	24	48	35	74	55	81	70	83	83
OTHER LYMPH. AND HEMATOP.	200-203	13	9	27	21	29	19	36	35	48	49
LEUKEMIA	204-208	8	3	10	10	17	12	30	20	35	15
BENIGN AND UNCERTAIN NEOPLASMS	210-239	1	2	4	3	1	1	8	3	5	3
DIABETES MELLITUS	250	8	9	18	16	36	22	46	43	39	59
NUTRITIONAL DEFICIENCIES	260-269		1	1			1	1	2	3	1
ANEMIAS	280-285	1			1	2		1		4	5
MENINGITIS	320-322				1	1			1	1	
CIRCULATORY DISEASE	391-448	293	96	467	205	765	376	1125	636	1515	972
HEART 391-398,402,	404-429	262	73	411	167	673	307	947	502	1244	761
RHEUMATIC FEVER	391-398	3	1	4	4	8	10	9	11	8	11
HYPERTENSIVE HEART DISEASE	402	7	3	6	8	18	6	22	11	20	19
HYP. HEART AND RENAL DISEASE	404	1	1			2	1	2	2	5	3
ISCHEMIC HEART DISEASE	410-414	217	40	335	106	531	219	751	370	971	566
ACUTE (INCL/MYO. INFARC)	410-411	135	23	209	71	305	142	449	234	558	340
CHRONIC (INCL. OLD M.I.)	412-414	82	17	126	35	226	77	302	136	413	226
OTHER ENDOCARDIAL DISEASES	424	2	1	1	2	7	1	10	7	16	9
OTHER HEART DISEASE 415-423,	425-429	32	27	65	47	107	70	153	101	224	153
HYPERTENSION W/ OR W/O RENAL	401,403	1	1	1	1	11	3	10	5	13	12
CEREBROVASCULAR DISEASES	430-438	26	20	40	32	53	54	112	107	177	157
INTRACRANIAL HEMORRHAGE	431,432	8	9	14	11	13	16	26	34	28	30
CEREBRAL OCCLUSION	434	2		5	4	9	6	16	8	25	26
OTHER CEREBROVASC. 430,433,	435-438	16	11	21	17	31	32	70	65	124	101
ATHEROSCLEROSIS	440	1	1	2		3	3	8	6	19	14
OTHER ARTERIAL DISEASE	441-448	3	1	13	5	25	9	48	16	62	28
ACUTE BRONCHITIS AND BRONCHIOLITIS	466										
PNEUMONIA AND INFLUENZA	480-487	12	3	20	8	31	17	46	19	86	33
PNEUMONIA	480-486	11	3	17	7	30	17	46	19	86	33
CHRONIC OBSTRUCTIVE PULMONARY	490-496	15	8	24	19	72	38	118	71	182	106
CHRONIC & UNSPEC. BRONCHITIS	490-491					1	1	5	3	4	7
EMPHYSEMA	492	6	1	7	6	19	7	28	16	41	19
ASTHMA	493	2	3	1	1	4	1	4	10	8	5
OTHER CHRONIC PULMONARY	494-496	7	4	16	12	48	29	81	42	129	75
ULCER OF STOMACH AND DUODENUM	531-533	3	1	1	1	2		5	9	13	3
APPENDICITIS	540-543			1						1	
ABD. HERNIA & INTEST. OBSTR. 550-	553,560			4	2	2	2	5	4	9	8
CHRONIC LIVER DIS. AND CIRRHOSIS	571	22	10	36	11	46	27	42	20	31	19
CHOLELITHIASIS AND GALLBLADDER	574-575			1			1	2	2	2	3
NEPHRITIS AND NEPHROSIS	580-589	2	1	4	5	11	6	11	11	36	20
INFECTIONS OF THE KIDNEY	590						1	1	1	1	4
HYPERPLASIA OF THE PROSTATE	600							1			
COMPLICATIONS OF PREGNANCY	630-676										
OTHER COMPLICATIONS	640-676										
CONGENITAL ANOMALIES	740-759	3	1	6		4	5	5	1	2	2
CONDITIONS OF PERINATAL PERIOD	760-779										
BIRTH TRAUMA	767-769										
OTHER PERINATAL CONDS. 760-766,	770-779										
ILL DEFINED CONDITIONS	780-799	1	1			5	2	3	1	2	2
ALL OTHER DISEASES		47	26	56	49	95	87	134	94	199	169
ACCIDENTS AND ADVERSE EFFECTS	800-949	36	11	35	20	41	16	45	23	57	21
MOTOR VEHICLE ACCIDENTS	810-825	19	8	19	10	8	12	17	12	19	7
OTHER 800-807,	826-949	17	3	16	10	33	4	28	11	38	14
SUICIDE	950-959	33	5	30	12	18	6	25	8	24	9
HOMICIDE AND LEGAL INTERVENT.	960-978	1	2	4		4	2	2	2	1	3
ALL OTHER EXTERNAL CAUSES	980-999					2		1	1		

** PER 100,000 POPULATION
*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

TABLE 2.5

DEATHS BY CAUSE GROUP
BY AGE AND SEX
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH		75-79 MALE	75-79 FEMALE	80-84 MALE	80-84 FEMALE	85-89 MALE	85-89 FEMALE	90-94 MALE	90-94 FEMALE	95+ MALE	95+ FEMALE
TOTAL		3277	2803	3053	3241	2196	3363	1141	2470	431	1262
AGE/SEX SPECIFIC DEATH RATE **		6688	3788	10528	6482	14495	9819	20936	16250	30786	28044
TUBERCULOSIS	010-018	1	2	2	3			2			
SEPTICEMIA	038	24	29	29	23	23	35	5	25	3	10
OTHER INFECTIONS AND PARASITIC	***	9	6	9	7	3	6	4	1	1	3
MALIGNANT NEOPLASMS	140-208	820	670	567	568	349	433	136	203	34	67
LIP, ORAL CAVITY, PHARYNX	140-149	15	7	5		5	2	3	4		2
DIGESTIVE ORG. AND PERITONEUM	150-159	202	202	142	184	105	146	40	77	8	22
RESPIRATORY AND INTRATHORACIC	160-165	266	117	129	63	54	27	21	15	6	7
BREAST	174-175	1	110		93		61	1	32		11
GENITAL ORGANS	179-187	127	72	115	40	99	48	42	16	11	7
URINARY ORGANS	188-189	40	28	47	32	26	22	11	11	5	3
OTHER AND UNSPEC SITES 170-173,	190-199	95	70	67	90	29	69	9	29	3	8
OTHER LYMPH. AND HEMATOP.	200-203	41	41	33	48	15	42	7	3	1	5
LEUKEMIA	204-208	33	23	29	18	16	16	2	16		2
BENIGN AND UNCERTAIN NEOPLASMS	210-239	6	9	10	13	7	14	4	4		1
DIABETES MELLITUS	250	63	77	46	76	30	56	14	37	3	17
NUTRITIONAL DEFICIENCIES	260-269	6	3	4	10	5	10	4	12		9
ANEMIAS	280-285	4	6	4	4	5	7	1	7	3	7
MENINGITIS	320-322		2	1	1	1	2				
CIRCULATORY DISEASE	391-448	1634	1454	1613	1892	1188	2050	645	1593	276	849
HEART 391-398,402,	404-429	1303	1112	1247	1404	897	1440	499	1143	212	611
RHEUMATIC FEVER	391-398	6	18	7	12	1	6	1	4		
HYPERTENSIVE HEART DISEASE	402	18	23	18	30	9	39	2	22	2	14
HYP. HEART AND RENAL DISEASE	404	5	4	3	4	4	3	1	8	2	
ISCHEMIC HEART DISEASE	410-414	1011	857	948	1056	678	1023	344	812	137	431
ACUTE (INCL/MYO. INFARC)	410-411	563	467	484	520	290	425	125	275	40	108
CHRONIC (INCL. OLD M.I.)	412-414	448	390	464	536	388	598	219	537	97	323
OTHER ENDOCARDIAL DISEASES	424	13	29	23	23	20	33	11	23	3	11
OTHER HEART DISEASE 415-423,	425-429	250	181	248	279	185	336	140	274	68	155
HYPERTENSION W/ OR W/O RENAL	401,403	11	19	12	18	12	14	8	13	3	3
CEREBROVASCULAR DISEASES	430-438	241	264	268	398	211	480	100	337	41	177
INTRACRANIAL HEMORRHAGE	431,432	30	29	22	34	13	38	8	16	1	6
CEREBRAL OCCLUSION	434	35	40	35	55	30	68	18	51	6	21
OTHER CEREBROVASC. 430,433,	435-438	176	195	211	309	168	374	74	270	34	150
ATHEROSCLEROSIS	440	21	24	41	40	36	79	28	69	18	46
OTHER ARTERIAL DISEASE	441-448	58	35	45	32	32	37	10	31	2	12
ACUTE BRONCHITIS AND BRONCHIOLITIS	466		1	3		2					
PNEUMONIA AND INFLUENZA	480-487	96	70	133	105	133	199	113	178	46	101
PNEUMONIA	480-486	95	68	132	104	131	197	113	174	45	100
CHRONIC OBSTRUCTIVE PULMONARY	490-496	167	100	194	76	125	60	31	28	12	13
CHRONIC & UNSPEC. BRONCHITIS	490-491	10	1	8	5	7	4	5	3	1	3
EMPHYSEMA	492	29	13	32	9	16	7	1	1	5	
ASTHMA	493	6	8	5	1	5	6		1		
OTHER CHRONIC PULMONARY	494-496	122	78	149	61	97	43	25	23	6	10
ULCER OF STOMACH AND DUODENUM	531-533	5	17	10	9	9	9	5	9	2	2
APPENDICITIS	540-543	1		1		3					
ABD. HERNIA & INTEST. OBSTR.	550-553,560	6	5	11	11	4	24	4	11	1	7
CHRONIC LIVER DIS. AND CIRRHOSIS	571	21	24	9	8	5	4	1			
CHOLELITHIASIS AND GALLBLADDER	574-575	6	4	8	10	2	11	2	2		3
NEPHRITIS AND NEPHROSIS	580-589	27	32	38	39	18	50	23	30	8	8
INFECTIONS OF THE KIDNEY	590		5	3	1	4	2	3	3		2
HYPERPLASIA OF THE PROSTATE	600	2		6		4		1		2	
COMPLICATIONS OF PREGNANCY	630-676										
OTHER COMPLICATIONS	640-676										
CONGENITAL ANOMALIES	740-759	4	4	2		1		1			
CONDITIONS OF PERINATAL PERIOD	760-779										
BIRTH TRAUMA	767-769										
OTHER PERINATAL CONDS. 760-766,	770-779										
ILL DEFINED CONDITIONS	780-799	2	3	8	1	3	5		8	1	1
ALL OTHER DISEASES		266	230	267	332	206	340	121	273	30	148
ACCIDENTS AND ADVERSE EFFECTS	800-949	66	44	53	49	38	43	19	46	7	14
MOTOR VEHICLE ACCIDENTS	810-825	21	18	18	10	7	2	2	2		2
OTHER 800-807,	826-949	45	26	35	39	31	41	17	44	7	12
SUICIDE	950-959	36	3	19	2	8	2	2		2	
HOMICIDE AND LEGAL INTERVENT.	960-978	2	3	2	1		1				
ALL OTHER EXTERNAL CAUSES	980-999	3		1							

** PER 100,000 POPULATION
*** INCLUDES ICD-9 CODES 001-009,020-044,039-139

Figure 6

DEATH RATES FOR MALIGNANT NEOPLASMS BY AGE GROUPS AND SEX WISCONSIN, 1987

(Resident Data)

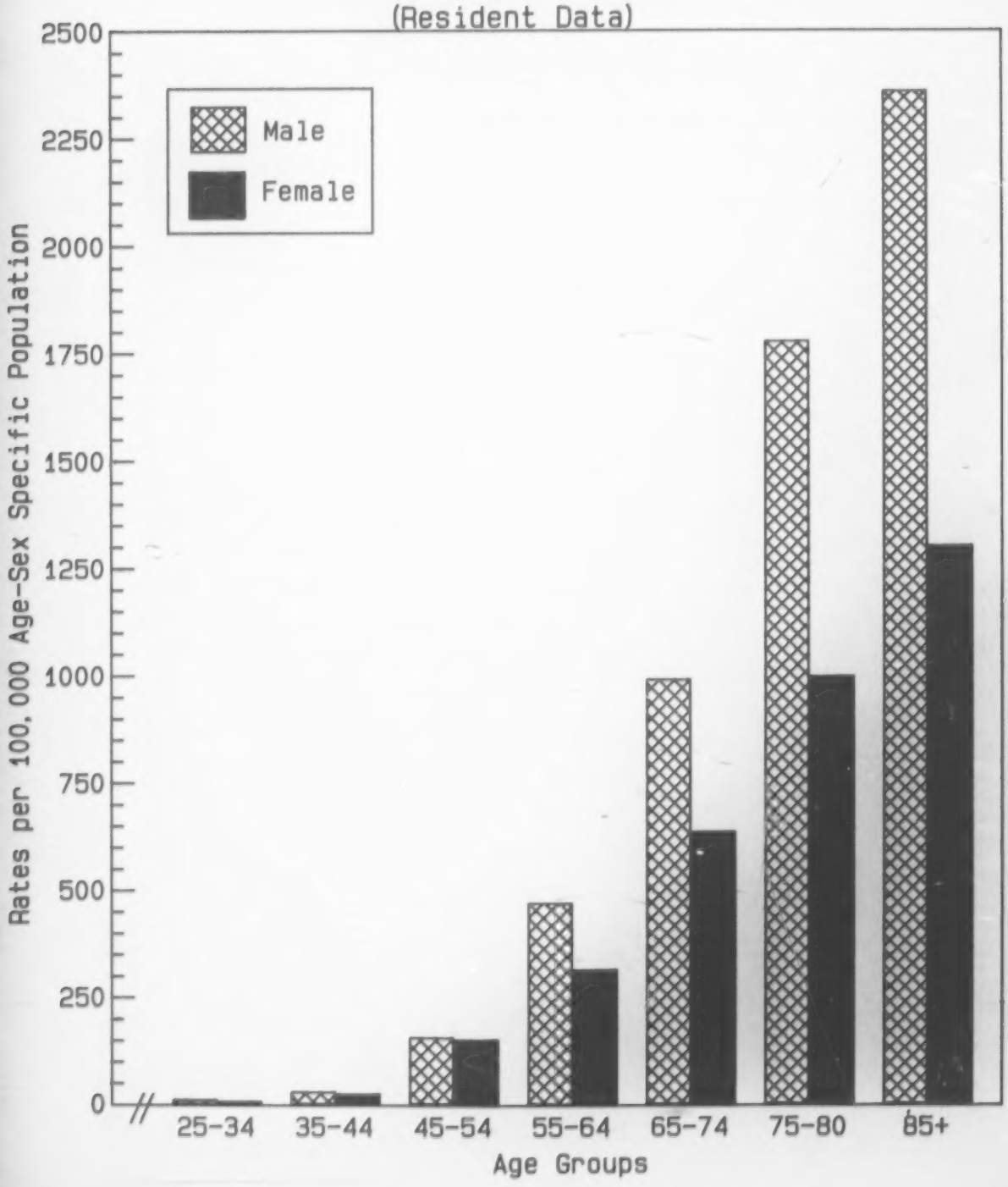

Figure 7

DEATH RATES FOR CARDIOVASCULAR RENAL DISEASE BY AGE GROUPS AND SEX WISCONSIN, 1987

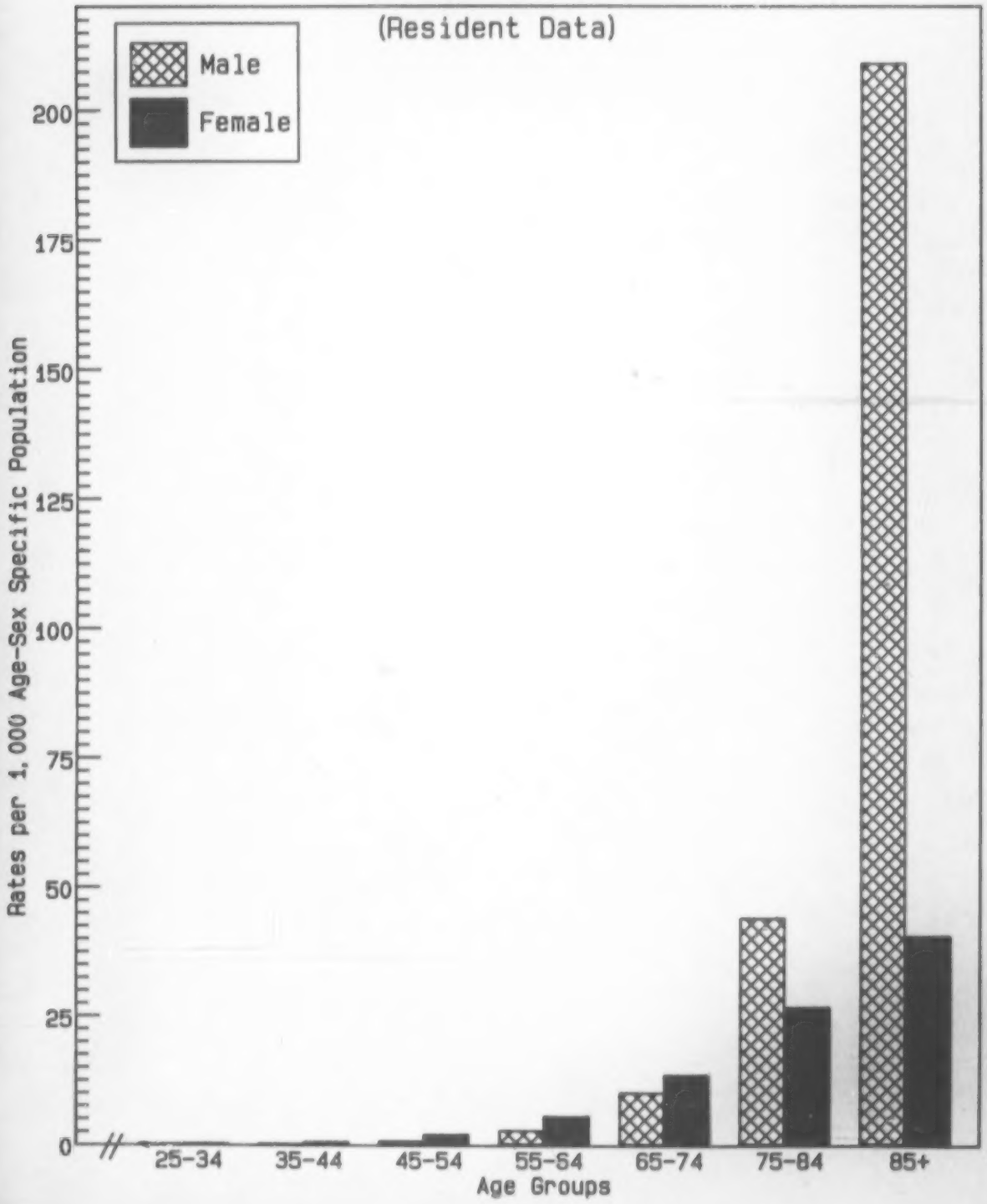

Figure 8

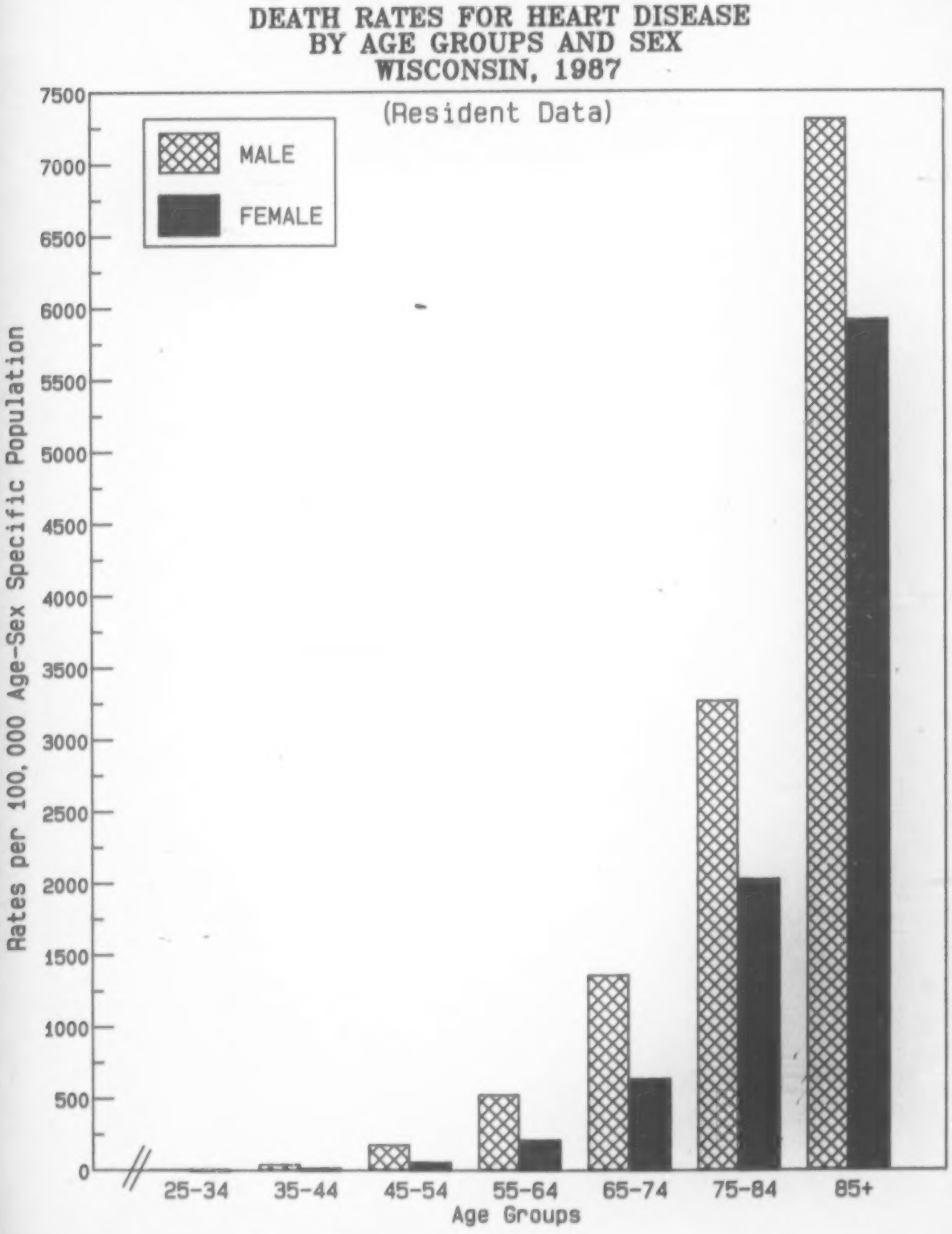
DEATH RATES FOR HEART DISEASE
BY AGE GROUPS AND SEX
WISCONSIN, 1987
(Resident Data)
MALE
FEMALE
Rates per 100,000 Age-Sex Specific Population
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
25-34
35-44
45-54
55-64
65-74
75-84
85+
Age Groups

Figure 9

DEATH RATES FOR CEREBROVASCULAR DISEASE BY AGE GROUPS AND SEX WISCONSIN, 1987

(Resident Data)

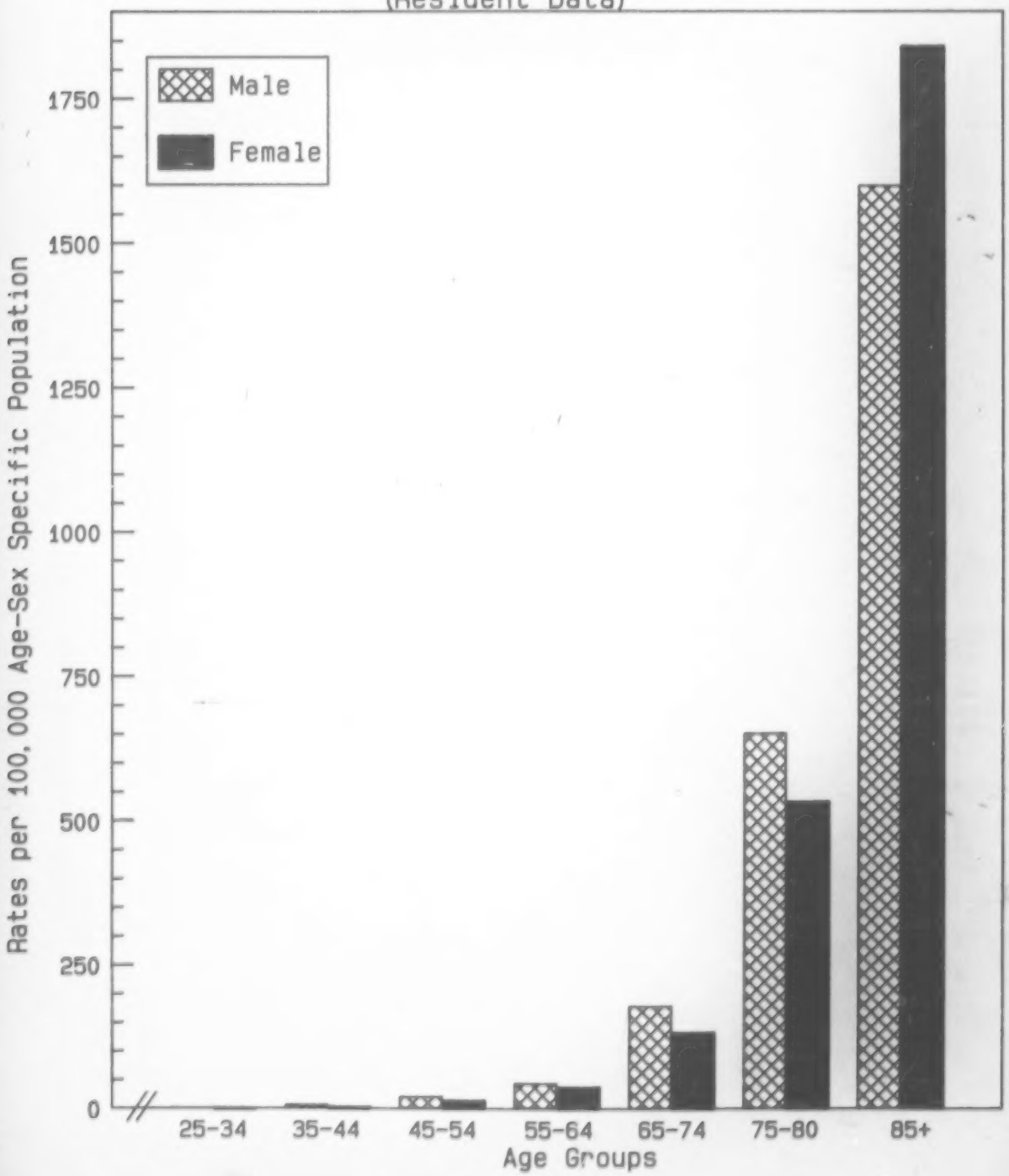

TABLE 2.6

ACCIDENTAL DEATHS BY CAUSE
BY AGE AND SEX
WISCONSIN 1987

(OCCURRENCE DATA)

CAUSE OF DEATH		TOTAL M	TOTAL F	UNDER 1 M	UNDER 1 F	1-4 M	1-4 F	5-14 M	5-14 F	15-19 M	15-19 F	20-24 M	20-24 F	25-34 M	25-34 F
TOTAL		1131	520	9	7	40	19	61	24	99	42	132	35	228	56
I. RAILWAY ACCIDENTS	800-807	4								1		1			
HIT BY ROLLING STOCK	805	4								1		1			
II. MOTOR VEHICLE TRAFFIC ACCIDENTS	810-819	553	245	1	1	5	8	25	14	76	39	98	29	140	43
COLLISION WITH TRAIN	810	6	3								1	2		3	
OTHER M.V. COLLISION	812	237	159		1	2	6	4	6	29	20	35	17	55	24
COLLISION WITH OTHER VEHICLE	813	15						7		1		4			
COLLISION WITH PEDESTRIAN	814	53	15			2	1	9	4	7	1	4	1	10	1
OTHER HIGHWAY COLLISION	815	86	21	1				1	1	20	8	18	2	21	6
NONCOLL. DUE TO LOSS OF CONTROL	816	145	39			1		3	2	17	9	35	8	49	9
NONCOLL. BOARDING / ALIGHTING	817	1						1							
OTHER NONCOLLISION ACCIDENT	818	6	6				1		1	1			1	2	2
UNSPECIFIED	819	4	2							1					1
III. MOTOR VEHICLE NONTRAFFIC ACCID.	820-825	20	5			3	1	3	1	2	1	1		7	
NONTRAFFIC SNOW VEHICLE ACCID.	820	7	1							1		1		4	
NONTRAFFIC OTHER OFF-ROAD VEH.	821	7	1					3	1	1				1	
COLLISION WITH MOVING OBJECT	822	4	3			3	1				1				
OTHER AND UNSPECIFIED	825	2												2	
IV. OTHER ROAD VEHICLE ACCIDENTS	826-829	2	2												1
PEDAL CYCLE ACCIDENT	826	1	2												1
ANIMAL-DRAWN VEHICLE ACCIDENT	827	1													
V. WATER TRANSPORT ACCIDENTS	830-838	19	1					1		5		1	1	2	
WATERCRAFT SUBMERSION	830	4								1				1	
WATERCRAFT / OTHER INJURY	831	3													
OTHER SUBMERSION IN WATER TRANS.	832	9	1					1		1		1	1	1	
OTHER WATER TRANSPORT ACCIDENT	838	3								3					
VI. AIR AND SPACE TRANSPORT	840-845	20	4					3				1	1	5	1
POWERED, TAKEOFF OR LANDING	840	1													
POWERED, OTHER AND UNSPECIFIED	841	18	4					3					1	5	1
OTHER AIR TRANSPORT ACCIDENT	844	1										1			
VII. VEH. NOT ELSEWHERE CLASSIFIABLE	846-848		2						1						
VEHICLES NOT ELSEWHERE CLASSIF.	848		2						1						
VIII. POISONING BY DRUGS, MEDICINE	850-858	34	22					2				4	1	14	7
ANALGES, ANTIPYRET., ANTIRHEUM.	850	5	10									1		3	4
BARBITURATES	851	1													
OTHER PSYCHOTROPIC AGENTS	854	1	2					1							
OTHER NERVOUS SYSTEM DRUGS	855	3	3										1	3	2
ANTIBIOTICS	856	1													
OTHER DRUGS	858	23	7					1				3		8	1
IX. POISONING BY OTHER FORMS	860-869	24	7			1				1		3	1	3	
ALCOHOL	860	2	1										1		
OTHER SOLIDS AND LIQUIDS	866		1												
GAS DISTRIBUTED BY PIPELINE	867	2													
OTHER UTIL. GAS AND CARBON MONO.	868	19	5			1				1		3		3	
OTHER GASES AND VAPORS	869	1													
X. MISADVENTURES OF MEDICAL CARE	870-876	2	6												
ACCIDENTAL CUT OR HEMORRHAGE	870		5												
OTHER AND UNSPECIFIED	876	2	1												
XI. COMPLICATION OF MED. PROCEDURES	878-879	5	3												1
ABNORMAL REACTION TO SURGERY	878	4	3												1
ABNORMAL REACTION TO OTHER PROC.	879	1													
XII. ACCIDENTAL FALLS	880-888	158	138				1			1		4		9	
STAIRS OR STEPS	880	26	19									1			
LADDERS OR SCAFFOLDING	881	11												2	
BUILDING OR OTHER STRUCTURE	882	9	2				1					2		2	

TABLE 2.6

ACCIDENTAL DEATHS BY CAUSE
BY AGE AND SEX
WISCONSIN 1987

(OCCURRENCE DATA)

CAUSE OF DEATH		TOTAL M	TOTAL F	UNDER 1 M	UNDER 1 F	1-4 M	1-4 F	5-14 M	5-14 F	15-19 M	15-19 F	20-24 M	20-24 F	25-34 M	25-34 F
INTO HOLE OR OTHER OPENING	883		1												
OTHER FALL, ONE LEVEL TO ANOTHER	884	17	16									1		1	
SLIPPING, TRIPPING OR STUMBLING	885	6	13												
COLLISION, PUSHING OR SHOVING	886	1												1	
FRACTURE, CAUSE UNSPECIFIED	887	10	10											1	
OTHER AND UNSPECIFIED FALL	888	78	77							1				2	
XIII. ACCIDENTS CAUSED BY FIRE	890-899	59	26	1	3	10	4	9	4		1	1		7	3
PRIVATE DWELLING	890	52	24	1	3	10	4	9	4		1	1		6	3
OTHER BUILDING OR STRUCTURE	891	2													
FIRE NOT IN BUILDING	892	2												1	
IGNITION OF CLOTHING	893	2	1												
OTHER SPECIFIED FIRE AND FLAMES	898		1												
UNSPECIFIED FIRE	899	1													
XIV. NATURAL AND ENVIRONMENTAL	900-909	13	6			1				1		1		2	
EXCESSIVE HEAT	900	2													
EXCESSIVE COLD	901	7	3							1		1		1	
HUNGER, THIRST, EXPOSURE	904	2	1			1									
VENOMOUS ANIMALS AND PLANTS	905		1												
OTHER INJURY CAUSED BY ANIMALS	906	2	1											1	
XV. SUBMERSION, SUFFOCATION	910-915	104	38	6	2	16	5	9	4	8	1	6		20	
DROWNING AND SUBMERSION	910	54	9	1		11	3	6	2	6	1	4		11	
INHALATION OR INGESTION OF FOOD	911	16	11	4		1	2			1				1	
INHALATION/INGESTION OTHER OBJ.	912	9	11	1	1	1									
MECHANICAL SUFFOCATION	913	25	7		1	3		3	2	1		2		8	
XVI. OTHER ACCIDENTS	916-928	107	11	1	1	4		9		4		10	2	18	
STRUCK BY FALLING OBJECT	916	19										2		6	
STRUCK BY OBJECTS OR PERSONS	917	7	1	1										2	
CAUGHT IN OR BETWEEN OBJECTS	918	1													
ACCIDENTS CAUSED BY MACHINERY	919	32	2			3		5		2		1	1	4	
CUTTING / PIERCING OBJECTS	920	1													
FIREARM MISSILE	922	18	1			1		3		1		5	1	3	
EXPLOSIVE MATERIAL	923	5						1						1	
HOT, CAUSTIC OR CORROSIVE OBJECT	924	1	3		1										
ELECTRIC CURRENT	925	11								1		2		2	
OVEREXERTION, STRENUOUS ACTIVITY	927	1	1												
OTHER ENVIRONMENTAL CAUSES	928	11	3												
XVII. LATE EFFECTS OF ACCID. INJURY	929	6	4									1		1	
XVIII. ADVERSE REACTION TO DRUGS	930-949	1													
OTHER AND UNSPECIFIED DRUGS	947	1													

TABLE 2.6

ACCIDENTAL DEATHS BY CAUSE
BY AGE AND SEX
WISCONSIN 1987

(OCCURRENCE DATA)

CAUSE OF DEATH		35-44 M	35-44 F	45-54 M	45-54 F	55-64 M	55-64 F	65-74 M	65-74 F	75-84 M	75-84 F	85-94 M	85-94 F	95+ M	95+ F
TOTAL		114	38	83	25	79	33	103	43	121	96	55	88	7	14
I. RAILWAY ACCIDENTS	800-807			1		1									
HIT BY ROLLING STOCK	805			1		1									
II. MOTOR VEHICLE TRAFFIC ACCIDENTS	810-819	57	24	43	15	27	20	34	18	38	28	9	4		2
COLLISION WITH TRAIN	810		1	1			1								
OTHER M.V. COLLISION	812	27	17	20	12	14	14	20	16	26	22	5	2		2
COLLISION WITH OTHER VEHICLE	813			1				2							
COLLISION WITH PEDESTRIAN	814	3	1	4		4	1	3	1	7	3		1		
OTHER HIGHWAY COLLISION	815	8	1	7		3	1	5		2	2				
NONCOLL. DUE TO LOSS OF CONTROL	816	18	3	8	3	5	3	4		1	1	4	1		
NONCOLL. BOARDING / ALIGHTING	817														
OTHER NONCOLLISION ACCIDENT	818		1	1		1				1					
UNSPECIFIED	819	1		1					1	1					
III. MOTOR VEHICLE NONTRAFFIC ACCID.	820-825	2				1	1		1	1					
NONTRAFFIC SNOW VEHICLE ACCID.	820	1					1								
NONTRAFFIC OTHER OFF-ROAD VEH.	821	1								1					
COLLISION WITH MOVING OBJECT	822					1			1						
OTHER AND UNSPECIFIED	825														
IV. OTHER ROAD VEHICLE ACCIDENTS	826-829			1				1			1				
PEDAL CYCLE ACCIDENT	826							1			1				
ANIMAL-DRAWN VEHICLE ACCIDENT	827			1											
V. WATER TRANSPORT ACCIDENTS	830-838	4		1		4		1							
WATERCRAFT SUBMERSION	830			1		1									
WATERCRAFT / OTHER INJURY	831	2				1									
OTHER SUBMERSION IN WATER TRANS.	832	2				2		1							
OTHER WATER TRANSPORT ACCIDENT	838														
VI. AIR AND SPACE TRANSPORT	840-845	5	1	3	1	3									
POWERED, TAKEOFF OR LANDING	840	1													
POWERED, OTHER AND UNSPECIFIED	841	4	1	3	1	3									
OTHER AIR TRANSPORT ACCIDENT	844														
VII. VEH. NOT ELSEWHERE CLASSIFIABLE	846-848												1		
VEHICLES NOT ELSEWHERE CLASSIF.	848												1		
VIII. POISONING BY DRUGS, MEDICINE	850-858	3	5	1		1	1	1	1	7	4	1	2		1
ANALGES, ANTIPYRET., ANTIRHEUM.	850		3								2	1			1
BARBITURATES	851			1											
OTHER PSYCHOTROPIC AGENTS	854		1				1								
OTHER NERVOUS SYSTEM DRUGS	855														
ANTIBIOTICS	856					1									
OTHER DRUGS	858	3	1					1	1	7	2		2		
IX. POISONING BY OTHER FORMS	860-869	5	3	5	1	1	1	4		1			1		
ALCOHOL	860			2											
OTHER SOLIDS AND LIQUIDS	866												1		
GAS DISTRIBUTED BY PIPELINE	867							2							
OTHER UTIL. GAS AND CARBON MONO.	868	4	3	3	1	1	1	2		1					
OTHER GASES AND VAPORS	869	1													
X. MISADVENTURES OF MEDICAL CARE	870-876							2			5				1
ACCIDENTAL CUT OR HEMORRHAGE	870										4				1
OTHER AND UNSPECIFIED	876							2			1				
XI. COMPLICATION OF MED. PROCEDURES	878-879				1	1		1		3			1		
ABNORMAL REACTION TO SURGERY	878				1			1		3			1		
ABNORMAL REACTION TO OTHER PROC.	879					1									
XII. ACCIDENTAL FALLS	880-888	7		8	3	16	4	27	13	46	44	34	66	6	7
STAIRS OR STEPS	880	2			3	6		6	2	8	8	3	6		
LADDERS OR SCAFFOLDING	881			2		2		3		2					
BUILDING OR OTHER STRUCTURE	882	1		1			1	1		2					

TABLE 2.6

ACCIDENTAL DEATHS BY CAUSE
BY AGE AND SEX
WISCONSIN 1987

(OCCURRENCE DATA)

CAUSE OF DEATH		35-44		45-54		55-64		65-74		75-84		85-94		95+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
INTO HOLE OR OTHER OPENING	883										1				
OTHER FALL, ONE LEVEL TO ANOTHER	884	3		3		2	2			4	7	3	5		2
SLIPPING, TRIPPING OR STUMBLING	885							1	2	3	2	1	8	1	1
COLLISION, PUSHING OR SHOVING	886														
FRACTURE, CAUSE UNSPECIFIED	887								1	2	1	5	8	2	
OTHER AND UNSPECIFIED FALL	888	1		2		6	1	16	8	25	25	22	39	3	4
XIII. ACCIDENTS CAUSED BY FIRE	890-899	11	1	2	1	4	2	7	4	3	1	4	2		
PRIVATE DWELLING	890	9	1	2	1	4	1	4	3	2	1	4	2		
OTHER BUILDING OR STRUCTURE	891							2							
FIRE NOT IN BUILDING	892	1													
IGNITION OF CLOTHING	893							1	1	1					
OTHER SPECIFIED FIRE AND FLAMES	898						1								
UNSPECIFIED FIRE	899	1													
XIV. NATURAL AND ENVIRONMENTAL	900-909				2	4	1	1	1	3	2		1		
EXCESSIVE HEAT	900							1		1					
EXCESSIVE COLD	901					3	1		1	1			1		
HUNGER, THIRST, EXPOSURE	904									1	1				
VENOMOUS ANIMALS AND PLANTS	905										1				
OTHER INJURY CAUSED BY ANIMALS	906				1	1									
XV. SUBMERSION, SUFFOCATION	910-915	9	3	9		5	3	8	4	6	6	1	7	1	3
DROWNING AND SUBMERSION	910	5	2	4		2		2	1	2					
INHALATION OR INGESTION OF FOOD	911			2		2		1	2	3	3		1	1	3
INHALATION/INGESTION OTHER OBJ.	912	2	1			1	2	2		1	2	1	5		
MECHANICAL SUFFOCATION	913	2		3			1	3	1		1		1		
XVI. OTHER ACCIDENTS	916-928	11	1	8	2	10		15	1	11	3	6	1		
STRUCK BY FALLING OBJECT	916	3		3		1		3		1					
STRUCK BY OBJECTS OR PERSONS	917				1			1		2		1			
CAUGHT IN OR BETWEEN OBJECTS	918	1													
ACCIDENTS CAUSED BY MACHINERY	919	2	1	1		3		7		3		1			
CUTTING / PIERCING OBJECTS	920							1							
FIREARM MISSILE	922			1		3		1							
EXPLOSIVE MATERIAL	923	1		1								1			
HOT, CAUSTIC OR CORROSIVE OBJECT	924					1			1		1				
ELECTRIC CURRENT	925	3		2		1									
OVEREXERTION, STRENUOUS ACTIVITY	927									1	1				
OTHER ENVIRONMENTAL CAUSES	928	1			1	1		2		4	1	3	1		
XVII. LATE EFFECTS OF ACCID. INJURY	929					1		1		2	2		2		
XVIII. ADVERSE REACTION TO DRUGS	930-949			1											
OTHER AND UNSPECIFIED DRUGS	947			1											

Figure 10

DEATH RATES FOR ACCIDENTS AND ADVERSE EFFECTS BY AGE GROUPS AND SEX WISCONSIN, 1987

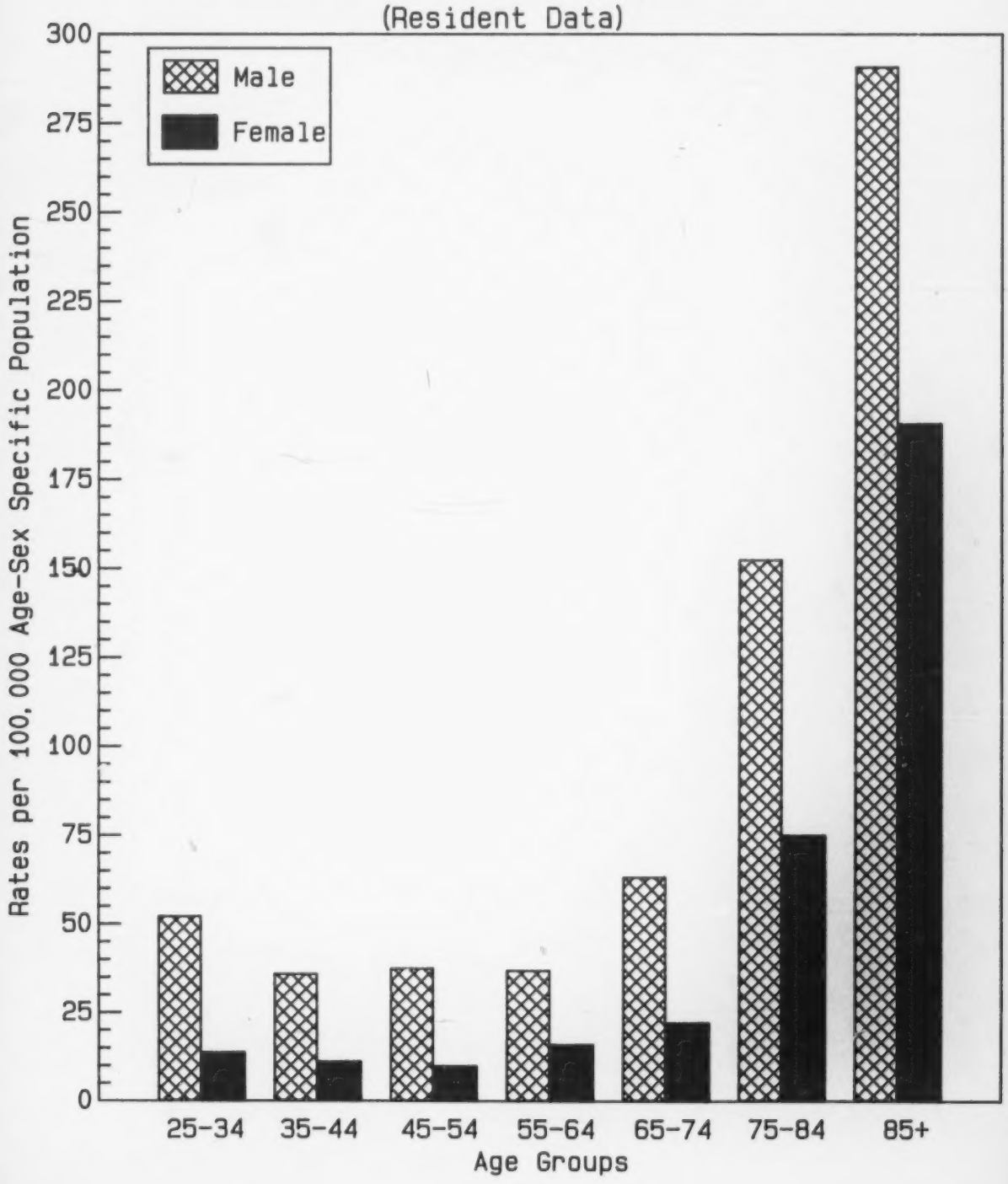

TABLE 2.7

DEATHS BY AGE
BY OCCUPATION AND SEX
WISCONSIN 1987

(RESIDENT DATA)

	TOTAL	Managerial, Professional	Technical, Sales, Administrative	Service	Farming	Precision Production, Repair, Craft	Operators, Fabricators, Laborers	Transportation	Homemaker	Student	Other, Unreported
Total	41,139	5,534	5,284	3,020	3,223	4,891	5,191	1,448	11,619	254	675
16-19	227	2	9	15	6	6	18	5	3	149	14
20-24	341	23	30	35	19	46	80	9	11	59	29
25-29	379	42	36	33	19	50	83	22	28	27	39
30-34	380	44	57	44	11	59	84	15	34	4	28
35-39	457	83	81	44	11	56	67	28	51	6	30
40-44	558	98	102	40	16	67	100	24	80	2	29
45-49	744	140	111	70	27	104	106	45	112	1	28
50-54	1,074	180	183	93	43	151	165	66	154	0	39
55-59	1,766	313	272	150	57	250	258	98	308	0	60
60-64	2,777	434	410	221	130	429	434	144	505	0	70
65-69	3,984	556	584	324	263	530	615	217	825	0	70
70-74	5,215	640	706	442	429	739	827	229	1,139	1	63
75-79	6,080	838	791	471	546	759	813	218	1,584	0	60
80-84	6,294	838	797	404	606	757	720	172	1,956	3	41
85-89	5,559	705	637	328	549	528	494	107	2,169	2	40
90-94	3,611	422	351	203	337	258	235	34	1,745	0	26
95+	1,693	176	127	103	154	102	92	15	915	0	9
SEX OF DECEASED - MALE											
Total	21,210	3,430	2,664	1,240	3,136	4,632	3,962	1,427	1	177	541
16-19	165	2	2	9	6	6	18	5	0	106	11
20-24	255	12	18	16	18	45	74	8	0	43	21
25-29	284	27	19	26	19	50	77	22	0	18	26
30-34	267	35	26	24	11	54	76	15	0	3	23
35-39	302	59	44	26	11	54	53	28	0	4	23
40-44	342	67	54	21	16	61	74	23	0	1	25
45-49	453	97	49	32	27	100	82	43	0	1	22
50-54	698	123	101	49	42	143	140	66	0	0	34
55-59	1,112	231	159	78	53	240	197	97	0	0	57
60-64	1,736	325	236	103	127	415	333	141	0	0	56
65-69	2,401	396	325	149	260	519	474	215	0	0	63
70-74	3,097	448	403	185	421	712	653	226	0	0	49
75-79	3,277	527	399	206	533	722	628	214	1	0	47
80-84	3,053	511	365	145	591	716	519	171	0	1	34
85-89	2,196	337	273	91	528	485	349	105	0	0	28
90-94	1,141	172	149	60	326	230	153	33	0	0	18
95+	431	61	42	20	147	80	62	15	0	0	4
SEX OF DECEASED - FEMALE											
Total	19,929	2,104	2,620	1,780	87	259	1,229	21	11,618	77	134
16-19	62	0	7	6	0	0	0	0	3	43	3
20-24	86	11	12	19	1	1	6	1	11	16	8
25-29	95	15	17	7	0	0	5	0	28	9	13
30-34	113	9	31	20	0	5	8	0	34	1	5
35-39	155	24	37	18	0	2	14	0	51	2	7
40-44	216	31	48	19	0	6	26	1	80	1	4
45-49	291	43	62	38	0	4	24	2	112	0	6
50-54	376	57	82	44	1	8	25	0	154	0	5
55-59	654	82	113	72	4	10	61	1	308	0	3
60-64	1,041	109	174	118	3	14	101	3	505	0	14
65-69	1,583	160	259	175	3	11	141	2	825	0	7
70-74	2,118	192	303	257	8	27	174	3	1,139	1	14
75-79	2,803	311	392	265	13	37	185	4	1,583	0	13
80-84	3,241	327	432	259	15	41	201	1	1,956	2	7
85-89	3,363	368	364	237	21	43	145	2	2,169	2	12
90-94	2,470	250	202	143	11	28	82	1	1,745	0	8
95+	1,262	115	85	83	7	22	30	0	915	0	5

Figure 11

LEADING CAUSES OF DEATH BY SEX
WISCONSIN, 1987

(Resident Data)

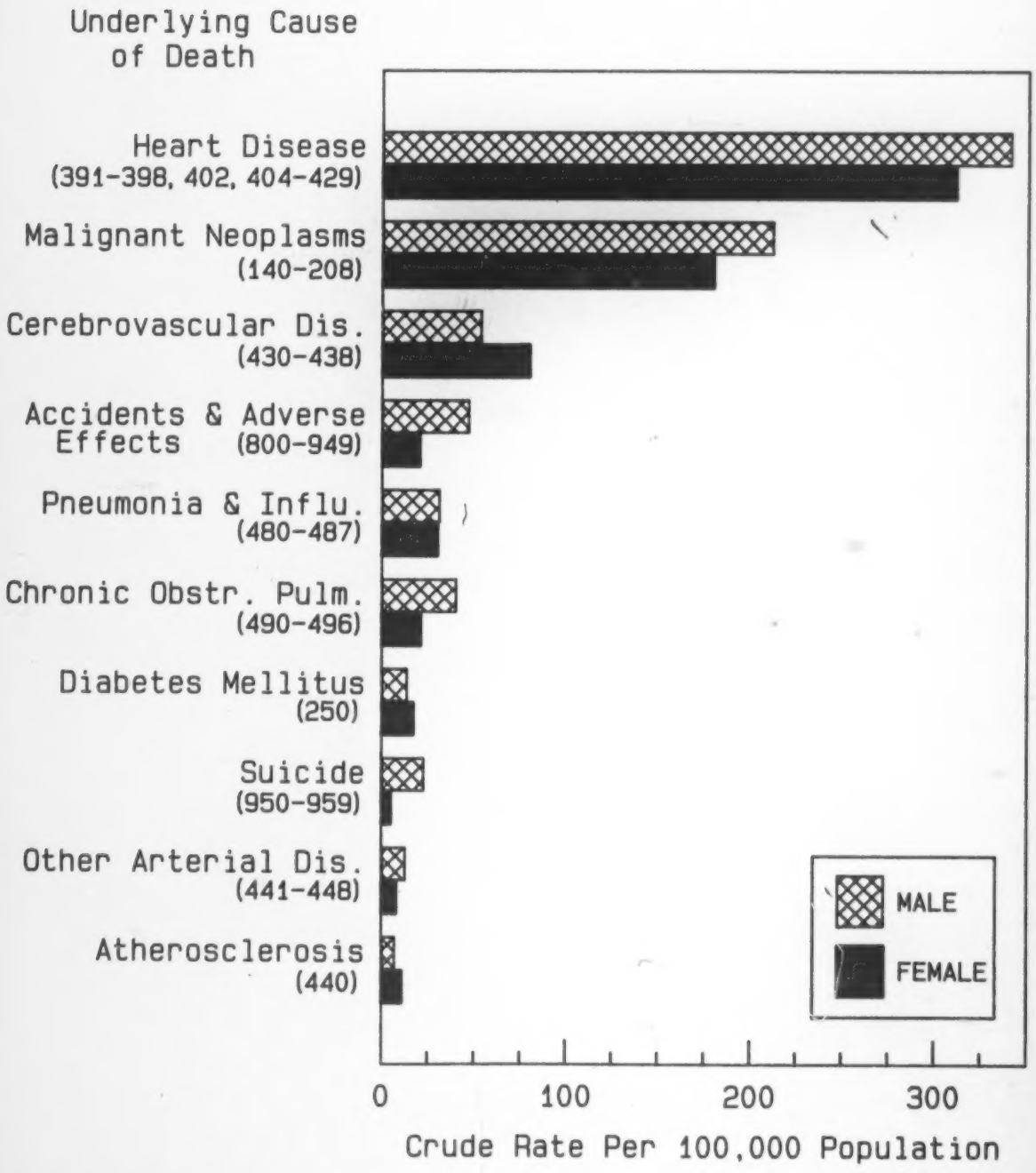

Table 2.8

LEADING FIFTEEN CAUSES OF DEATH BY SEX
(NUMBER, PERCENT AND RATE)
WISCONSIN 1987

(RESIDENT DATA)

CAUSE OF DEATH	I.C.D. CODE	NUMBER OF DEATHS	PERCENT OF DEATHS IN THIS CATEGORY	RATE PER 100,000 POPULATION
TOTAL DEATHS		42,074	100.0	874.9
HEART DISEASE	391-398,402,404-429	15,667	37.2	325.8
MALIGNANT NEOPLASMS	140-208	9,423	22.4	195.9
CEREBROVASCULAR DISEASE	430-438	3,389	8.1	70.5
ACCIDENTS AND ADVERSE EFFECTS	800-949	1,632	3.9	33.9
PNEUMONIA AND INFLUENZA	480-487	1,501	3.6	31.2
CHRONIC OBSTRUCTIVE PULMONARY	490-496	1,492	3.5	31.0
DIABETES MELLITUS	250	769	1.8	16.0
SUICIDE	950-959	680	1.6	14.1
OTHER ARTERIAL DISEASE	441-448	522	1.2	10.9
ATHEROSCLEROSIS	440	460	1.1	9.6
CHRONIC LIVER DIS. AND CIRRHOSIS	571	415	1.0	8.6
NEPHRITIS AND NEPHROSIS	580-589	414	1.0	8.6
SEPTICEMIA	038	318	0.8	6.6
CONDITIONS OF PERINATAL PERIOD	760-779	245	0.6	5.1
CONGENITAL ANOMALIES	740-759	233	0.6	4.8
MALE DEATHS		21,775	100.0	926.6
HEART DISEASE	391-398,402,404-429	8,011	36.8	340.9
MALIGNANT NEOPLASMS	140-208	4,991	22.9	212.4
CEREBROVASCULAR DISEASE	430-438	1,329	6.1	56.6
ACCIDENTS AND ADVERSE EFFECTS	800-949	1,115	5.1	47.4
CHRONIC OBSTRUCTIVE PULMONARY	490-496	959	4.4	40.8
PNEUMONIA AND INFLUENZA	480-487	745	3.4	31.7
SUICIDE	950-959	548	2.5	23.3
DIABETES MELLITUS	250	334	1.5	14.2
OTHER ARTERIAL DISEASE	441-448	312	1.4	13.3
CHRONIC LIVER DIS. AND CIRRHOSIS	571	261	1.2	11.1
NEPHRITIS AND NEPHROSIS	580-589	204	0.9	8.7
ATHEROSCLEROSIS	440	178	0.8	7.6
SEPTICEMIA	038	141	0.6	6.0
CONDITIONS OF PERINATAL PERIOD	760-779	138	0.6	5.9
OTHER INFECTIONS AND PARASITIC	001-009,020-037,039-139	135	0.6	5.7
FEMALE DEATHS		20,299	100.0	825.5
HEART DISEASE	391-398,402,404-429	7,656	37.7	311.3
MALIGNANT NEOPLASMS	140-208	4,432	21.8	180.2
CEREBROVASCULAR DISEASE	430-438	2,060	10.1	83.8
PNEUMONIA AND INFLUENZA	480-487	756	3.7	30.7
CHRONIC OBSTRUCTIVE PULMONARY	490-496	533	2.6	21.7
ACCIDENTS AND ADVERSE EFFECTS	800-949	517	2.5	21.0
DIABETES MELLITUS	250	435	2.1	17.7
ATHEROSCLEROSIS	440	282	1.4	11.5
OTHER ARTERIAL DISEASE	441-448	210	1.0	8.5
NEPHRITIS AND NEPHROSIS	580-589	210	1.0	8.5
SEPTICEMIA	038	177	0.9	7.2
CHRONIC LIVER DIS. AND CIRRHOSIS	571	154	0.8	6.3
SUICIDE	950-959	132	0.7	5.4
CONDITIONS OF PERINATAL PERIOD	760-779	107	0.5	4.4
CONGENITAL ANOMALIES	740-759	99	0.5	4.0

TABLE 2.9A

UNDERLYING CAUSE OF DEATH, BY OTHER LISTED CAUSES *
WISCONSIN, FIVE YEARS, 1983-1987

(RESIDENT DEATHS ONLY)

UNDERLYING CAUSE OF DEATH MAJOR CAUSE GROUPS ICD-9	GROUP NO.	TOTAL DEATHS	OTHER LISTED CAUSES FREQUENCY BY MAJOR CAUSE GROUPS							
			ALL ** GROUPS	GROUP 1	2	3	4	5	6	7
ALL CAUSES 001-999		207,482	193,111	6,713	7,522	12,988	2,760	4,107	11,200	9,263
INFECTIVE & PARASITIC 001-139	1	2,134	3,910		208	147	38	89	172	152
MALIGNANT NEOPLASMS 140-208	2	46,196	42,554	1,584		1,419	1,032	1,483	966	1,021
DIABETES 250	3	3,686	6,454	198	130		34	70	240	236
NUTRITIONAL DEFICIENCIES 260-269	4	381	786	43	1	15		10	69	22
BLOOD & BLOOD-FORMING ORGANS 280-289	5	763	1,293	104	54	27	17		45	24
MENTAL DISORDERS 290-319	6	2,381	3,952	109	86	113	228	44		221
NERVOUS SYSTEM & SENSE ORGANS 320-389	7	3,561	5,088	145	111	132	141	40	256	
CIRCULATORY SYSTEM 390-459	8	104,011	75,978	1,554	4,818	9,574	717	1,409	5,370	5,310
PNEUMONIA 480-486	9	6,802	10,482	533	546	366	97	143	995	707
CHRONIC OBSTRUCTIVE PULMONARY 490-496	10	6,675	11,496	192	508	237	113	64	593	241
ULCER OF STOMACH, DUOD & JEJU 531-534	11	635	1,323	69	57	33	9	35	36	33
CHRONIC LIVER AND CIRRHOSIS 571	12	2,021	3,765	111	80	95	32	98	421	55
NEPHRITIS & NEPHROSIS 580-589	13	1,860	2,985	130	99	126	12	81	83	69
MUSCULOSKELETAL & CONNECTIVE 710-739	14	694	1,352	82	22	35	30	37	45	50
CONGENITAL ANOMALIES 740-759	15	1,270	1,601	26	12	7	5	21	28	55
PERINATAL 760-779	16	1,423	338	6	1			4	3	10
MOTOR VEHICLE E810-E825	17	3,939	969	26	3	5	1	11	101	100
OTHER ACCIDENTS E800-E809,E826-E947	18	3,903	3,581	95	96	91	35	45	392	267
SUICIDE E950-E959	19	3,105	971	75	52	8		2	430	43
HOMICIDE E960-E969	20	782	160	6	2	3			24	20
ALL OTHER OTHER	21	11,260	14,073	1,695	636	555	219	421	931	627

* IF THE SAME CAUSE GROUP APPEARS ON THE CERTIFICATE AS 'UNDERLYING' AND AS 'OTHER' IT IS COUNTED ONLY AS 'UNDERLYING'. THIS CREATES A DIAGONAL OF EMPTY CELLS WHERE THE SAME 'UNDERLYING'AND 'OTHER' CAUSE GROUPS INTERSECT.
** CELL PERCENTAGES ARE BASED ON THE TOTALS IN THIS COLUMN

Table 2.9a

UNDERLYING CAUSE OF DEATH, BY OTHER LISTED CAUSES
WISCONSIN, FIVE YEARS, 1983-1987

(RESIDENT DEATHS ONLY)

8	9	10	11	12	13	14	15	16	17	18	19	20	21	NO.
35,405	12,551	9,624	1,134	1,105	9,545	4,092	500	574	72	6,703	15	14	57,224	
1,023	173	134	29	56	259	77	20	11	1	98		2	1,221	1
11,920	2,827	2,177	195	233	1,676	553	38	1	4	1,082			14,343	2
3,087	198	87	22	24	702	88	3			100			1,235	3
189	104	11	4	1	20	17				23			257	4
405	95	17	12	16	64	21	15			41			336	5
903	529	73	18	7	62	71	8			261	4		1,215	6
1,195	679	79	16	14	79	81	18	12	1	292			1,797	7
	5,309	5,787	524	468	4,668	2,376	189	17	55	3,026	6	7	24,794	8
3,227		391	40	49	281	183	48	18	4	115		1	2,738	9
3,606	1,248		66	43	180	155	9	1	2	198			4,040	10
313	23	41		12	69	33	3			84			473	11
720	102	70	44		205	18	3	1	1	58			1,651	12
1,185	149	70	24	10		43	9	15	1	64			815	13
332	112	30	13	4	65		6			89	1		399	14
421	45	11	3	5	77	7		458		105		1	314	15
69	27	1		2	36		61			6			112	16
398	17	9	3	3	16	2	2	3		40			229	17
1,122	146	84	19	22	85	52	9	1	1		1		1,018	18
186	4	12		2	8	4	1			14			200	19
45	7			1	4			1		9	1		37	20
5,059	757	540	102	133	989	311	58	35	2	998	2	3		21

TABLE 2.9B

DEATHS WITH CIRCULATORY DISEASE AS THE UNDERLYING CAUSE,
BY OTHER LISTED CAUSES
WISCONSIN, FIVE YEARS, 1983-1987

(RESIDENT DEATHS ONLY)

UNDERLYING CAUSE OF DEATH MAJOR CAUSE GROUPS ICD-9	GROUP NO.	TOTAL DEATHS	OTHER LISTED CAUSES FREQUENCY OF TOTAL MAJOR CAUSE GROUPS							
			ALL ** GROUPS	GROUP 1	2	3	4	5	6	7
ALL CIRCULATORY 390-459		104,011	154,878	1,554	4,818	9,574	717	1,409	5,370	5,310
HYPERTENSION 401-405	8.1	2,565	4,847	30	94	287	19	51	141	131
ISCHEMIC HEART 410-414	8.2	59,902	92,967	550	2,578	6,187	266	740	2,740	2,353
OTHER HEART DISEASE 420-429	8.3	16,757	17,790	299	989	1,187	144	273	1,000	875
CEREBROVASCULAR 430-438	8.4	16,787	26,203	327	674	1,496	195	171	999	1,629
ATHEROSCLEROSIS 440	8.5	2,857	4,647	110	127	183	62	65	306	146
OTHER CIRCULATORY *	8.6	5,143	8,424	238	356	234	31	109	184	176

		8.1	8.2	8.3	8.4	8.5	8.6	9	10	11	12
ALL CIRCULATORY 390-459		8,960	3,041	45,592	7,298	10,241	3,487	5,309	5,787	524	468
HYPERTENSION 401-405	8.1		1	1,576	384	392	124	93	125	15	21
ISCHEMIC HEART 410-414	8.2	5,687		36,970	4,792	5,264	1,983	1,949	3,598	301	225
OTHER HEART DISEASE 420-429	8.3	704	394		1,717	400	708	1,059	1,129	89	117
CEREBROVASCULAR 430-438	8.4	2,262	1,964	3,581		3,587	524	1,766	502	73	53
ATHEROSCLEROSIS 440	8.5		1	1,595	4		148	259	105	16	9
OTHER CIRCULATORY *	8.6	307	681	1,870	401	598		183	328	30	43

		13	14	15	16	17	18	19	20	21
ALL CIRCULATORY 390-459		4,668	2,376	189	17	55	3,026	6	7	25,075
HYPERTENSION 401-405	8.1	605	75	7			56		1	619
ISCHEMIC HEART 410-414	8.2	2,102	1,310	83		36	1,229	1	5	12,018
OTHER HEART DISEASE 420-429	8.3	961	424	58	12	4	509	2		4,736
CEREBROVASCULAR 430-438	8.4	330	346	20		6	666	2		5,030
ATHEROSCLEROSIS 440	8.5	307	99	2		1	118			984
OTHER CIRCULATORY *	8.6	363	122	19	5	8	448	1	1	1,688

(RESIDENT DEATHS ONLY)

IF THE SAME CAUSE GROUP APPEARS ON THE CERTIFICATE AS 'UNDERLYING' AND AS 'OTHER' IT IS COUNTED ONLY AS 'UNDERLYING'.
THIS CREATES A DIAGONAL OF EMPTY CELLS WHERE THE SAME 'UNDERLYING' AND 'OTHER' CAUSE GROUPS INTERSECT.
* 390-398,415-417,441-448,451-459

MARRIAGE AND DIVORCE

1987 MARRIAGE AND DIVORCE STATISTICS

Marriages: A total of 37,647 marriages occurred in Wisconsin in 1987. This represents a small decrease from the 38,373 marriages that occurred in 1986. The 1987 total also represents the lowest annual number of marriages in Wisconsin since 1977. The crude marriage rate equaled 7.9 per 1,000 population, the lowest figure recorded in the 1980s. The highest rate recorded in this decade was 8.9 in 1982. This rate had earlier been achieved in 1973. The highest marriage rates recorded in Wisconsin were for the three years immediately following World War II, 1946-1948 (Table R 1.6, Figure 12).

The median age of brides at first marriages increased slightly from 1960 to 1980 (20.5 to 21.0) and then somewhat more from 1980 to 1987 (21.0 to 23.5). The median age of grooms for first marriages decreased slightly from 1960 to 1980 (22.9 to 22.6) and rose from 1970 to 1987 (22.6 to 25.2). At first marriage, brides are usually about two years younger than grooms. The median age of women who remarried declined from 39.9 to 31.7 from 1960 to 1980 and then rose from 31.7 to 34.2 from 1980 to 1987. Men who remarried followed a similar pattern. During the 1960s, the age difference between men and women who remarried declined from about five to approximately three years.

Milwaukee County had the highest number of marriages (7,141), followed by Dane County (2,757) and Waukesha County (2,312) (Table 3.3).

More marriages in 1987 occurred in August (5,123) than any other month, while June (4,894) ranked second and May (4,456) ranked third. The lowest number of marriages, 1,256, occurred in January (Table 3.3).

Figure 12

MARRIAGE RATES
WISCONSIN, 1930–1987

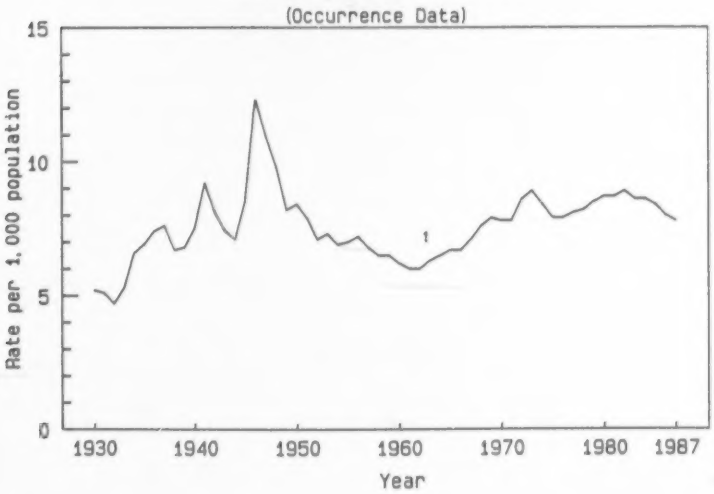

Table 3.1

Median Age at First Marriage and at Remarriage
Wisconsin, 1960-1987
(Occurrence Data)

Year	First Marriage		Remarriage	
	Bride	Groom	Bride	Groom
1960	20.5	22.9	39.9	45.0
1965	20.7	22.7	38.7	43.8
1970	20.9	22.6	37.4	42.6
1975	20.9	23.0	34.6	38.8
1980	21.0	23.5	31.7	34.9
1985	22.8	24.7	33.5	37.0
1986	23.1	25.0	33.8	37.4
1987	23.5	25.2	34.2	37.8

Figure 13

MEDIAN AGE AT FIRST MARRIAGE AND REMARRIAGE
WISCONSIN, 1960–1987

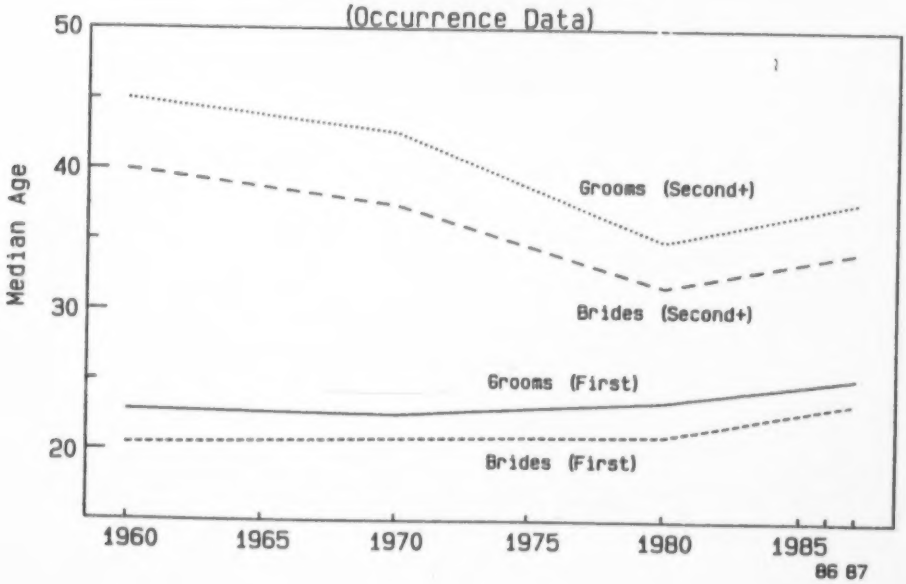

TABLE 3.2

MARRIAGES BY AGE,
BY BRIDE AND BY GROOM, BY NUMBER OF THIS MARRIAGE
WISCONSIN, 1987

(OCCURRENCE DATA)

AGE	BRIDE					GROOM				
	TOTAL MARRIAGES	FIRST	SECOND	THIRD	FOURTH OR MORE	TOTAL MARRIAGES	FIRST	SECOND	THIRD	FOURTH OR MORE
TOTAL	37647	27525	8613	1308	201	37647	27491	8643	1329	184
16 YEARS	199	199				11	11			
17 YEARS	370	368	1		1	57	57			
18 YEARS	1235	1234	1			410	410			
19 YEARS	1844	1835	9			768	765	3		
20 YEARS	2483	2459	24			1339	1333	6		
21 YEARS	2952	2880	71	1		2030	2023	7		
22 YEARS	3368	3246	118	3	1	2658	2625	33		
23 YEARS	3246	3058	185	1	2	3062	2975	87		
24 YEARS	2943	2640	295	8		3084	2949	133		2
25 YEARS	2464	2098	355	11		2812	2603	206	2	1
26 YEARS	2081	1665	401	13	2	2560	2324	230	6	
27 YEARS	1837	1330	482	24	1	2185	1863	311	11	
28 YEARS	1504	1028	440	35	1	1875	1564	298	13	
29 YEARS	1331	807	493	30	1	1697	1321	363	13	
30 YEARS	1219	677	489	50	3	1469	1031	414	23	1
31 YEARS	885	435	390	54	6	1135	725	380	28	2
32 YEARS	845	347	426	69	3	1051	612	400	37	2
33 YEARS	723	274	394	50	5	933	498	382	48	5
34 YEARS	679	216	389	65	9	845	382	407	47	9
35 YEARS	555	164	316	66	9	719	301	357	58	3
36 YEARS	518	128	314	70	6	661	219	374	61	7
37 YEARS	456	94	297	60	5	579	180	342	50	7
38 YEARS	378	63	254	48	13	533	144	316	60	13
39 YEARS	398	55	257	74	12	492	112	309	60	11
40 YEARS	333	40	223	58	12	475	96	284	90	5
41 YEARS	253	28	175	46	4	328	57	222	42	7
42 YEARS	242	22	160	49	11	318	38	222	52	6
43 YEARS	211	20	141	41	9	277	45	173	49	10
44 YEARS	212	12	141	45	14	301	34	214	47	6
45-49 YEARS .	729	51	502	146	30	1006	79	711	190	26
50-54 YEARS .	399	24	285	76	14	635	40	456	119	20
55-59 YEARS .	239	13	188	31	7	478	37	345	81	15
60-64 YEARS .	218	3	170	37	8	341	21	252	59	9
65-69 YEARS .	156	7	121	22	6	256	11	186	49	10
70-74 YEARS .	89	1	69	16	3	136	4	113	18	1
75+ YEARS ...	53	4	37	9	3	131	2	107	16	6

Table 3.3

MARRIAGES BY COUNTY,
BY MONTH
WISCONSIN, 1987

(OCCURRENCE DATA)

COUNTY	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL	37647	1256	1877	1506	2304	4456	4894	3505	5123	4349	4140	2199	2038
ADAMS	105	2	11	8	5	13	14	11	14	9	6	4	8
ASHLAND	158	5	7	5	8	16	26	18	20	22	16	8	7
BARRON	302	13	16	5	11	36	43	32	40	37	32	22	15
BAYFIELD	101	3	3	2	6	13	13	10	15	13	9	4	10
BROWN	1671	47	84	63	96	193	221	146	254	199	193	91	84
BUFFALO	97	3	4	2	8	15	13	8	16	11	8	4	5
BURNETT	85		4	5	2	7	16	7	9	9	15	7	4
CALUMET	177	5	6	7	8	24	24	24	18	27	21	9	4
CHIPPEWA	415	6	22	18	34	53	53	38	54	49	50	16	22
CLARK	219	2	9	9	16	18	31	22	29	33	24	15	11
COLUMBIA	356	11	23	17	24	39	49	23	54	42	39	20	15
CRAWFORD	116	1	6	4	5	14	21	11	13	17	7	12	5
DANE	2757	101	136	120	162	351	372	263	397	325	244	142	144
DODGE	461	19	24	21	28	57	61	41	57	55	56	20	22
DOOR	290	7	3	9	15	37	51	26	40	32	40	17	13
DOUGLAS	311	11	15	17	16	26	39	28	42	35	34	20	28
DUNN	212	10	8	6	9	18	36	21	37	28	16	7	16
EAU CLAIRE	614	23	34	23	27	83	79	55	89	71	61	31	38
FLORENCE	17					2	4	1	4	4	1	1	
FOND DU LAC	759	22	37	28	56	90	97	70	94	92	89	51	33
FOREST	76	2	7	1	7	4	9	4	17	9	5	4	7
GRANT	427	14	17	16	25	47	70	45	64	45	45	26	13
GREEN	235	5	15	13	13	31	29	21	35	18	25	18	12
GREEN LAKE	162	3	2	7	7	23	25	17	23	19	22	6	8
IOWA	161	4	2	4	7	21	28	21	26	20	20	6	2
IRON	54	2	3	3	3	7	9	6	5	6	5	4	1
JACKSON	133	5	5	8	4	16	20	14	16	13	16	4	12
JEFFERSON	559	19	20	25	36	76	72	41	76	64	62	35	33
JUNEAU	160	6	9	4	10	21	13	11	23	24	18	13	8
KENOSHA	1055	43	58	52	64	112	126	103	141	107	121	78	50
KEWAUNEE	142	1	4	2	9	23	12	18	23	16	21	7	6
LA CROSSE	758	17	37	21	38	107	98	68	104	96	100	32	40
LAFAYETTE	110		3		13	12	13	13	16	13	15	8	4
LANGLADE	153	6	12	4	12	14	18	15	17	22	15	10	8
LINCOLN	254	7	10	7	18	30	33	22	46	27	24	13	17
MANITOWOC	609	17	21	20	32	71	88	58	86	76	78	39	23
MARATHON	876	33	38	22	53	110	134	83	129	92	96	40	46
MARINETTE	319	6	26	8	15	24	38	35	54	39	35	23	16
MARQUETTE	74	1	4	4	6	9	10	5	12	8	5	6	4
MENOMINEE	20	1	2	2	3	2	3	1	2	1	1	1	1
MILWAUKEE	7141	278	397	300	458	828	881	643	882	796	778	459	441
MONROE	276	9	15	20	13	35	44	21	31	36	26	12	14
OCONTO	228	10	5	7	17	33	32	21	29	22	29	10	13
ONEIDA	253	11	15	11	10	28	41	24	38	41	17	9	8
OUTAGAMIE	1274	38	52	56	77	150	142	121	176	160	151	87	64
OZAUKEE	561	12	15	20	34	72	74	65	77	69	71	25	27
PEPIN	64	1	5	1	2	10	12	3	10	6	9	2	3
PIERCE	223	7	11	5	15	22	38	21	30	30	22	16	6
POLK	277	9	20	14	15	28	43	22	43	24	32	13	14
PORTAGE	453	15	20	9	31	58	64	37	65	53	53	26	22
PRICE	121	1	6	3	9	8	15	14	22	17	13	5	8
RACINE	1268	58	71	54	91	141	154	110	148	148	130	88	75
RICHLAND	138	5	9	8	6	19	14	12	25	12	15	5	8
ROCK	1118	36	65	53	75	134	134	110	135	107	108	81	80
RUSK	137	3	10	4	9	18	22	22	17	12	10	5	5
ST. CROIX	382	6	18	12	31	41	45	37	53	48	51	19	21
SAUK	379	6	23	10	29	46	50	38	49	43	37	26	22
SAWYER	131	3	10	10	3	14	12	15	22	14	10	10	8
SHAWANO	269	8	13	7	17	37	30	29	36	30	35	15	12
SHEBOYGAN	757	24	33	40	43	85	89	80	104	95	73	49	42
TAYLOR	132	4	6	8	8	12	14	13	21	11	22	4	9
TREMPEALEAU	181	2	10	4	13	16	32	19	25	22	18	11	9
VERNON	205	6	9	6	13	32	27	18	30	24	22	12	6
VILAS	118	7	6	7	7	12	23	9	19	14	7	1	6
WALWORTH	641	36	30	40	46	71	81	63	85	66	61	33	29
WASHBURN	122	3	8	6	9	14	13	10	12	17	12	10	8
WASHINGTON	678	25	29	20	36	78	90	72	99	83	80	34	32
WAUKESHA	2312	77	117	81	138	265	297	213	320	264	283	131	126
WAUPACA	422	13	20	18	24	60	52	34	56	55	49	21	20
WAUSHARA	135	3	7	8	8	12	17	11	22	12	18	6	11
WINNEBAGO	1073	40	51	48	65	141	128	87	150	116	130	56	61
WOOD	618	17	24	24	41	71	73	55	81	77	78	44	33

Divorces: The number of divorces and annulments in Wisconsin in 1987 totaled 16,923, an increase of 3.2 percent from the 16,395 recorded in 1986 (Table R 1.6). The divorce rate was 3.5 per 1,000 population. This rate has changed little in the past five years. The highest recorded divorce rate for Wisconsin occurred in 1981, when it reached 3.9 per 1,000 population.

The highest number of divorces and annulments occurred in Milwaukee County (3,254) followed by Dane County (1,354) and Waukesha County (1,050).

Figure 14

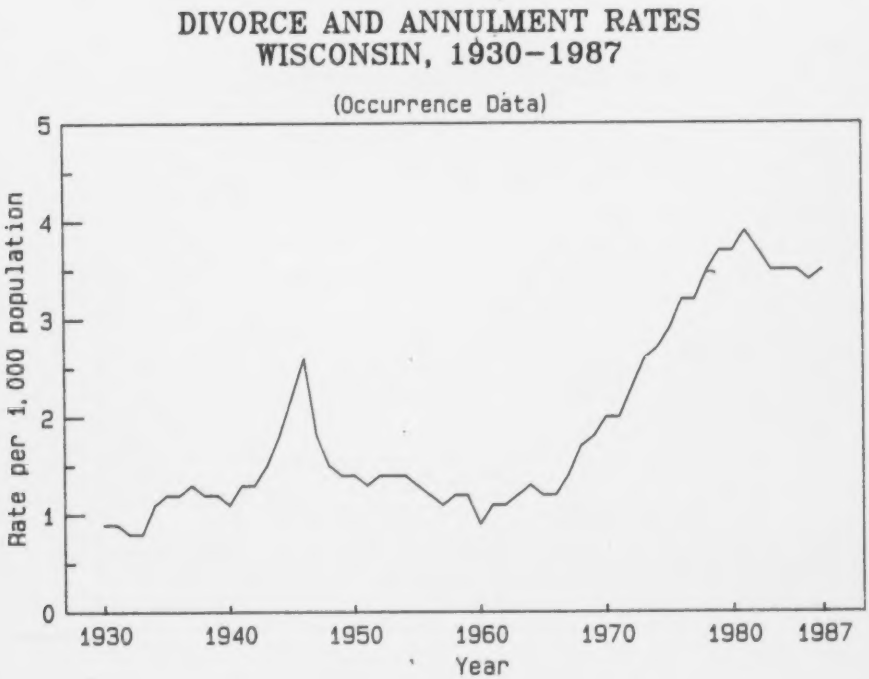

Table 3.4

DIVORCES AND ANNULMENTS BY COUNTY
Wisconsin, 1987

(Occurrence Data)

County	Divorces	Annulments	County	Divorces	Annulments
State Total	16,840	83			
Adams.....	45	1	Marathon.....	342	
Ashland.....	57	1	Marinette.....	140	
Barron.....	151		Marquette.....	34	
Bayfield.....	19		Menominee.....	--	
Brown.....	687	3	Milwaukee.....	3,232	22
Buffalo.....	38	1	Monroe.....	139	1
Burnett.....	48	1	Oconto.....	93	1
Calumet.....	64		Oneida.....	148	
Chippewa.....	229		Outagamie.....	439	4
Clark.....	88		Ozaukee.....	218	
Columbia.....	176	1	Pepin.....	10	
Crawford.....	52		Pierce.....	107	
Dane.....	1,346	8	Polk.....	146	
Dodge.....	211		Portage.....	176	
Door.....	93		Price.....	57	
Douglas.....	190	1	Racine.....	578	2
Dunn.....	125	1	Richland.....	68	
Eau Claire....	333	5	Rock.....	653	1
Florence.....	8		Rusk.....	52	
Fond du Lac...	342	2	St. Croix.....	155	
Forest.....	34	2	Sauk.....	209	
Grant.....	149		Sawyer.....	65	
Green.....	113		Shawano.....	95	1
Green Lake....	80		Sheboygan.....	308	2
Iowa.....	59		Taylor.....	41	
Iron.....	23		Trempealeau...	76	
Jackson.....	54		Vernon.....	60	
Jefferson.....	260	2	Vilas.....	69	
Juneau.....	88	1	Walworth.....	268	4
Kenosha.....	478	2	Washburn.....	58	
Kewaunee.....	32		Washington....	290	
LaCrosse.....	367	2	Waukesha.....	1,046	4
Lafayette.....	45		Waupaca.....	154	2
Langlade.....	61		Waushara.....	73	
Lincoln.....	90	1	Winnebago.....	497	
Manitowoc.....	239	2	Wood.....	270	2

TECHNICAL NOTES

DEFINITIONS

Birthweight	Weight of fetus or infant at time of delivery (recorded in pounds and ounces, or grams).
Deliveries	Live births plus reported fetal deaths.
Fetal Death	Death prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no sign of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only fetal deaths of at least 20 weeks of gestation must be reported in Wisconsin. A fetal death report is NOT used for induced abortions.
Infant Death	Death occurring in a live born individual of less than one year of age.
Live Birth	A live birth is the complete expulsion or extraction from its mother of a product of conception irrespective of the duration of pregnancy, which after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Low Birth Weight	Live births weighing less than five pounds, nine ounces (2,499 grams or less) at delivery.
Maternal Death	Those wherein a maternal condition is designated as the underlying cause of death.
Minor Civil Division	Minor civil divisions are the local level of civil government: cities, villages or towns. There are no unorganized residual areas and none overlaps another though one may surround another.
Neonatal Death	Live born infant who dies before completing four weeks (28 days) of life.
Occurrence	Place where the event occurred.
Out-of-Wedlock Birth	Birth wherein the mother is not married, or the court has declared the mother's husband not to be the father.
Plurality	Number of births per single pregnancy.
Race	On death certificates, race is reported by family members. The race of a newborn does not appear on the birth certificate. In this report, it is that of the husband if the mother is married and that of the mother if the husband's race is not known or if the mother is unmarried. On marriage certificates, race is self-reported.

Residence	Usual place of residence of person to whom event occurred. For births and fetal deaths, residence is defined as the mother's place of residence.
Underlying Cause of Death	The disease or injury which initiated the train of events leading directly or indirectly to death or the circumstances of the accident or violence which produced the fatal injury.

RATES

Birth Rate	= No. of Resident Live Births / Total Resident Population	x 1,000
Age-Specific Fertility Rate	= No. of Resident Live Births for a Specific Age of Mother / Total Female Population of Specific Age	x 1,000
Death Rate	= No. of Resident Deaths / Total Resident Population	x 1,000
Fetal Death Rate	= No. of Resident Fetal Deaths / Total Resident Live Births and Resident Fetal Deaths	x 1,000
Infant Death Rate	= No. of Infant Deaths / Total Resident Live Births	x 1,000
Neonatal Death Rate	= No. of Neonatal Deaths / Total Resident Live Births	x 1,000
Out-of-Wedlock Ratio	= No. of Out-of-Wedlock Births (Resident) / Total Resident Live Births	x 1,000
Maternal Death Rate	= No. of Maternal Deaths / Total Resident Live Births	x 100,000
Age-Specific Death Rate	= No. of Deaths in Specific Age Group / Total Resident Population in Specific Age Group	x 100,000
Cause-Specific Death Rate	= No. of Deaths from Specific Cause / Total Resident Population	x 100,000
Communicable Disease Case Rate	= No. of Reported Cases (Specific Communicable Disease) / Total Resident Population	x 100,000
Marriage Rate	= No. of Marriages Performed / Total Resident Population	x 1,000
Divorce Rate	= No. of Divorces and Annulments Granted / Total Resident Population	x 1,000
Population Denominators	= Mid-calendar year estimates	
Event Denominators	= Are registered totals for the calendar year	

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES

STATE FILING DATE
STATE BIRTH NO.

ORIGINAL CERTIFICATE OF LIVE BIRTH 148-

LOCAL FILE NUMBER

CERTIFIED COPY

SHORT FORM COPY

CHILD

1. CHILD-NAME (First, Middle, Last)
2. SEX — ☐ Male ☐ Female
3a. DATE OF BIRTH (Month Day Year)
3b. HOUR — ☐ M
4. NAME OF HOSPITAL (If not in hospital, describe location or give address.)
5a. COUNTY OF BIRTH
5b. CITY, VILLAGE OR TOWNSHIP
5c. INSIDE CITY OR VILLAGE LIMITS — ☐ Yes ☐ No

CERTIFIER

I certify that the stated information concerning this child is true to the best of my knowledge and belief.

6a. SIGNATURE ▶
6b. DATE SIGNED (Month Day Year)
7. ATTENDANT (Name and Title if other than Certifier) — ☐ 1. M.D. ☐ 2. D.O. ☐ 3. C.N. Midwife ☐ 4. Other
8a. CERTIFIER-NAME AND TITLE (Type or Print)
8b. MAILING ADDRESS (Street or RFD No., City or Vill., State, Zip)
9a. REGISTRAR-SIGNATURE
9b. DATE RECEIVED BY LOCAL REGISTRAR (Month Day Year)

MOTHER

10a. MOTHER-MAIDEN NAME (First, Middle, Last)
10b. AGE (At time of birth)
10c. STATE OF BIRTH (If not in U.S., name country)
11a. RESIDENCE-STATE
11b. RESIDENCE-COUNTY
11c. RESIDENCE—CITY, VILLAGE, TOWNSHIP
11d. INSIDE CITY OR VILLAGE LIMITS — ☐ Yes ☐ No

HUSBAND

12a. HUSBAND-NAME (First, Middle, Last)
12b. AGE (At time of birth)
12c. STATE OF BIRTH (If not in U.S., name country)
12d. BIRTHWEIGHT — _____ Grams or _____ Lbs. _____ Oz.

I certify that the information provided on this certificate is correct to the best of my knowledge and belief.

13a. SIGNATURE—PARENT OR OTHER INFORMANT
13b. RELATION TO CHILD
13c. IF INFANT DIED, ENTER BELOW — Month Day Year — ☐ Died

SAMPLE

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

DO NOT INCLUDE ON CERTIFIED COPY

	RACE	EDUCATION* Elem/Second	EDUCATION* College	Employment One Year Ago: Occupation	Employment One Year Ago: Firm or Agency
HUSBAND	White, Black, Hispanic, American Indian, etc. 14a	(0-12) 14b.	(1-4 or 5+)	14c.	14d.
MOTHER	White, Black, Hispanic, American Indian, etc. 16a	16b.		16c.	16d.

PREVIOUS DELIVERIES

LIVE BIRTHS (Exclude This Child): Now Living 15a. _____ Number ☐ None; Now Dead 15b. _____ Number ☐ None
DATE OF LAST LIVE BIRTH Month Year 15c.

OTHER TERMINATIONS (Spontaneous or Induced): Less Than 20 Weeks Gestation 17a. _____ Number ☐ None; 20 Weeks or More Gestation 17b. _____ Number ☐ None
DATE OF LAST OTHER TERMINATION Month Year 17c.

18. DATE LAST NORMAL MENSES BEGAN (Month Day Year)
19a. MONTH OF PREGNANCY PRENATAL CARE BEGAN (Month 1-9; Not Trimester)
19b. TOTAL NUMBER OF PRENATAL VISITS — _____ ☐ None
20. IS MOTHER MARRIED? ☐ Yes ☐ No
21a. APGAR SCORE — 1 Minute, 5 Minutes
21b. THIS BIRTH — Single, twin, triplet, etc.
21c. IF NOT SINGLE BIRTH — Born first, second, third, etc.

22. COMPLICATIONS OF PREGNANCY (Describe or Enter "None")
23. CONCURRENT ILLNESS OR CONDITIONS AFFECTING THIS PREGNANCY (Describe or Enter "None")
24. COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or Enter "None")
25. CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or Enter "None")

26. MOTHER'S MAILING ADDRESS (For Birth Registration Notification) Street or RFD; City/Village Post Office and Zip

27. TYPE OF DELIVERY (Not Including Episiotomy)
☐ 0 Spontaneous
☐ 1 Breech
☐ 2 Manipulation without instruments
☐ 3 Forceps, Low
☐ 4 Forceps, Mid and High
☐ 5 Other Surgical or Instrumental
☐ 6 Cesarean, Low Cervical
☐ 7 Cesarean, Classical
☐ 8 Cesarean, Other
☐ 9 Other, (Specify below) _____

*14b. & 16b. — Highest grade completed

Type or Print in Permanent Black Ink

DOH 5000
Chapter 69
VS-1
300M-REV. 1/83

110

DOH 5040
Rev. 6-84
Chap 69, Wis Stats

Type or Print in Permanent Black Ink

Reserved for Corrections & Amendments

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES

ORIGINAL CERTIFICATE OF DEATH

LOCAL FILE NUMBER

STATE FILING DATE

STATE DEATH NO.

SAMPLE

DECEASED

1. DECEDENT-NAME First / Middle / Last				2. SEX ☐ M ☐ F	3. DATE OF DEATH (Month Day Year)	
4. RACE-(e.g., White, Black, Hispanic, American Indian, etc.)	5a. AGE-Last Birthday (Years)	5b. UNDER 1 YEAR (Mos. / Days)	5c. UNDER 1 DAY (Hours / Mins.)	6. DATE OF BIRTH (Month Day Year)	7a. COUNTY OF DEATH	7b. INSIDE CITY OR VILLAGE LIMITS ☐ Yes ☐ No
7c. CITY, VILLAGE OR TOWNSHIP OF DEATH		7d. HOSPITAL OR OTHER INSTITUTION- Name ☐ Hospital ☐ Nursing home ☐ Other Instit. (If none of these, give street and number)			7e. IF HOSP OR INST ☐ DOA ☐ OP/Emer Rm ☐ Inpatient	
8. STATE OF BIRTH (If not in U.S.A., name country)	9. CITIZEN OF WHAT COUNTRY	10. MARITAL STATUS ☐ 1. Married ☐ 2. Separated ☐ 3. Divorced ☐ 4. Never Married ☐ 5. Widowed	11. SURVIVING SPOUSE (If wife, give maiden name)		12. WAS DECEDENT EVER IN U.S. ARMED FORCES? ☐ Yes ☐ No	
13. SOCIAL SECURITY NUMBER		14a. USUAL OCCUPATION (Give kind of work done during most of working life, even if retired)		14b. KIND OF BUSINESS OR INDUSTRY		
15a. RESIDENCE-STATE	15b. COUNTY	15c. CITY, VILLAGE OR TOWNSHIP OF RESIDENCE	15d. INSIDE CITY OR VILLAGE LIMITS ☐ Yes ☐ No	15e. STREET AND NUMBER		

PARENTS

16. FATHER-NAME First / Middle / Last	17. MOTHER-MAIDEN NAME First / Middle / Last

18a. INFORMANT-NAME (Type or Print)	18b. MAILING ADDRESS	Street or R.F.D. No.	City or Village	State / Zip

DISPOSITION

19a. ☐ 1. Burial ☐ 2. Cremation ☐ 3. Entombment ☐ 4. Removal	19b. CEMETERY OR CREMATORY-NAME	19c. LOCATION City or Village	State
20a. FUNERAL SERVICE LICENSEE Or Person Acting As Such Signature ▶	20b. NAME OF FACILITY		
20c. Funeral Director Lic. No.	20d. ADDRESS OF FACILITY Street or R.F.D. No. / City or Village / State / Zip		20e. DATE SIGNED BY FUNERAL SERVICE LICENSEE

CERTIFICATION

To be Completed by CERTIFYING PHYSICIAN Only

21a. To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated.

Signature and Title ▶

21b. DATE SIGNED (Month Day Year)	21c. HOUR OF DEATH M	21d. NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)

To be Completed by MEDICAL EXAMINER or CORONER Only

22a. On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated.

Signature and Title ▶

22b. DATE SIGNED (Month Day Year)	22c. HOUR OF DEATH M	22d. PRONOUNCED DEAD (Month Day Year)
		22e. PRONOUNCED DEAD (Hour) M

23. NAME AND ADDRESS OF CERTIFIER (PHYSICIAN, MEDICAL EXAMINER OR CORONER) (Type or Print)

CAUSE

25. PART I Conditions if any which gave rise to Immediate Cause stating the underlying cause last

IMMEDIATE CAUSE [ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).]

(a) Interval between onset and death

DUE TO, OR AS A CONSEQUENCE OF:

(b) Interval between onset and death

DUE TO, OR AS A CONSEQUENCE OF:

(c) Interval between onset and death

PART II OTHER SIGNIFICANT CONDITIONS-Conditions contributing to death but not related to cause given in PART I (a)

26. AUTOPSY ☐ Yes ☐ No	27. WAS MEDICAL EXAMINER OR CORONER NOTIFIED? ☐ Yes ☐ No

INJURY

28a. ☐ 1. Accident ☐ 2. Suicide ☐ 3. Homicide ☐ 4. Undet. ☐ 5. Pend. Invest	28b. DATE OF INJURY (Month Day Year)	28c. HOUR OF INJURY M	28d. DESCRIBE HOW INJURY OCCURRED	
28e. INJURY AT WORK ☐ Yes ☐ No	28f. PLACE OF INJURY-At home, farm, street, factory, office building, etc. (Specify)		28g. LOCATION Street or R.F.D. No. / City or Village / State	

Accident U.C.O.D.

National Safety Council Codes

REGISTRAR

24a. Signature ▶

24b. DATE RECEIVED BY REGISTRAR (Month Day Year)

III

DOH 5060
Rev. 9-84
Chapter 765 Wis. Statutes

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES

ORIGINAL CERTIFICATE OF MARRIAGE

STATE FILING DATE

STATE NO.

NOTE: THIS ORIGINAL CERTIFICATE, LEGIBLY AND COMPLETELY FILLED OUT, MUST BE RETURNED TO THE REGISTER OF DEEDS OF THE COUNTY OF MARRIAGE, WITHIN THREE DAYS FROM THE DATE OF MARRIAGE: MAXIMUM PENALTY FOR NONCOMPLIANCE, TWO HUNDRED DOLLARS ($200) OR THREE MONTHS IMPRISONMENT OR BOTH. (Wis. Statute 765.30 (4) (a))

Type or Print in Permanent Black Ink

LICENSE

GROOM-NAME First / Middle / Last			AGE	DATE OF BIRTH Month Day Year
1.			2a.	2b.
PLACE OF RESIDENCE: STATE	COUNTY	CITY, VILLAGE, OR TOWNSHIP	INSIDE CITY OR VILLAGE LIMITS ☐Yes ☐No	STATE OF BIRTH (If NOT in USA Name Country)
3a.	3b.	3c.	3d.	4.
FATHER-NAME		MOTHER-MAIDEN NAME		
6.		7.		
BRIDE-NAME First / Middle / Last		MAIDEN NAME if different	AGE	DATE OF BIRTH Month Day Year
8a.		8b.	9a.	9b.
PLACE OF RESIDENCE: STATE	COUNTY	CITY, VILLAGE, OR TOWNSHIP	INSIDE CITY OR VILLAGE LIMITS ☐Yes ☐No	STATE OF BIRTH (If NOT in USA Name Country)
10a.	10b.	10c.	10d.	11.
FATHER-NAME		MOTHER-MAIDEN NAME		
13.		14.		

CERTIFICATION

WE HEREBY CERTIFY THAT THE INFORMATION PROVIDED IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AND THAT WE ARE FREE TO MARRY UNDER THE LAWS OF THIS STATE.

GROOM'S SIGNATURE 15. ➤ BRIDE'S SIGNATURE 16. ➤

THE ISSUE OF THIS LICENSE SHALL NOT BE DEEMED TO REMOVE OR DISPENSE WITH ANY LEGAL DISABILITY, IMPEDIMENT OR PROHIBITION RENDERING MARRIAGE BETWEEN THE PARTIES ILLEGAL. THIS LICENSE IS VALID FOR 30 DAYS AFTER THE DATE ISSUED.

LICENSE NO.	DATE ISSUED:	ISSUED BY: SIGNATURE	COUNTY	PARENTAL CONSENT ON FILE (If required)
17.	18.	19. ➤ COUNTY CLERK	20a.	☐Yes ☐No 20b.

DATE OF MARRIAGE: Month Day Year	TYPE OF MARRIAGE (Religious or civil, specify)	PLACE OF MARRIAGE (Name of Church, Civic Bldg, etc.)
21a.	21b.	21c.
WHERE MARRIED-CITY, VILLAGE OR TOWNSHIP		COUNTY
21d.		21e.

PERSON PERFORMING CEREMONY: I certify that the above named persons were married before me on the above mentioned date.	TITLE	MAILING ADDRESS and ZIP CODE
21g. Signature ➤	21h.	21i.

WITNESS TO CEREMONY	WITNESS TO CEREMONY
22a. Signature ➤	22b. Signature ➤

REGISTRAR Signature and Title	DATE RECEIVED BY LOCAL REGISTRAR Month Day Year
23a.	23b.

CONFIDENTIAL INFORMATION FOR STATISTICAL PURPOSES ONLY

RACE–GROOM	NUMBER OF THIS MARRIAGE	IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED BY		EDUCATION (Specify only highest grade completed)	
Specify (e.g., White, Black, Am. Indian, Hispanic, etc.)	Specify (First, second, etc.)	☐DEATH ☐DIVORCE ☐ANNULMENT	DATE (Mo., Day, Yr.)	Elementary or Secondary (0-12)	College (1-4 or 5+)
24.	25.	26a.	26b.	27.	
Groom's Race					
RACE–BRIDE	NUMBER OF THIS MARRIAGE	IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED BY		EDUCATION (Specify only highest grade completed)	
Specify (e.g., White, Black, Am. Indian, Hispanic, etc.)	Specify (First, second, etc.)	☐DEATH ☐DIVORCE ☐ANNULMENT	DATE (Mo., Day, Yr.)	Elementary or Secondary (0-12)	College (1-4 or 5+)
28.	29.	30a.	30b.	31.	
Bride's Race					

THIS ORIGINAL DOCUMENT MUST BE FORWARDED TO THE REGISTER OF DEEDS WITHIN 3 DAYS AFTER THE DATE OF MARRIAGE.

SAMPLE

Type or Print in Permanent Black Ink

DOH 5042
FORM NO. VS-18
Rev. 1-83
CHAPTER 69 Wis. Stats.

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES

REPORT OF FETAL DEATH
FOR STATISTICAL PURPOSES ONLY

STATE FILING DATE

STATE NO.

1. DATE OF BIRTH Month Day Year	2. HOUR M.	3. SEX ☐Male ☐Female	4a. THIS BIRTH, Single, Twin, Triplet, Etc. (Specify)	4b. IF NOT SINGLE BIRTH Born First, Second, Etc. (Specify)	
5a. HOSPITAL-NAME (If Not in Hospital, Give Street and Number or Location)		5b. COUNTY OF BIRTH	5c. NAME OF CITY OR VILLAGE (If Neither, Name Township)	5d. INSIDE CITY OR VILLAGE LIMITS ☐Yes ☐No	
6. MOTHER-NAME First Middle Last			MAIDEN NAME	RESIDENCE-STATE 7a.	
7b. COUNTY	7c. NAME OF CITY, VILLAGE (If Neither, Name Township)		7d. INSIDE CITY OR VILLAGE LIMITS ☐Yes ☐No	8a. AGE OF MOTHER	8b. AGE OF HUSBAND

	RACE	EDUCATION* Elem/Second	EDUCATION* College	Employment One Year Ago Occupation	Employment One Year Ago Firm or Agency
HUSBAND	9. White, Black, Hispanic, American Indian, etc.	10a. (0-12)	(1-4 or 5 +)	10b.	10c.
MOTHER	12. White, Black, Hispanic, American Indian, etc.	13a.		13b.	13c.

PREVIOUS DELIVERIES

LIVE BIRTHS (Exclude This Child)

Now Living	Now Dead	DATE OF LAST LIVE BIRTH Month Year
11a. Number ☐None	11b. Number ☐None	11c.

OTHER TERMINATIONS (Spontaneous or Induced)

Less Than 20 Weeks Gestation	20 Weeks or More Gestation	DATE OF LAST OTHER TERMINATION Month Year
14a. Number ☐None	14b. Number ☐None	14c.

16. DATE LAST NORMAL MENSES BEGAN Mo Day Year	16. MONTH OF PREGNANCY PRENATAL CARE BEGAN (month 1-9 of pregnancy; trimester not accepted)	17. TOTAL NUMBER OF PRENATAL VISITS Number ☐None	18. IS MOTHER MARRIED? ☐Yes ☐No	19. BIRTHWEIGHT ____ Grams or ____ Lbs. ____ Oz.

20. COMPLICATIONS OF PREGNANCY (Describe or write "None")

21. CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "None")

22. COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "None")

23. CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or write "None")

24. TYPE OF DELIVERY (Not Including Episiotomy)
☐0 Spontaneous
☐1 Breech
☐2 Manipulation without Instruments
☐3 Forceps, Low
☐4 Forceps, Mid and High
☐5 Other Surgical or Instrumental
☐6 Cesarean, Low Cervical
☐7 Cesarean, Classical
☐8 Cesarean, Other
☐9 Other, (Specify below)

Medical Codes

26 PART I FETAL DEATH WAS CAUSED BY — Enter Only One Cause Per Line For (A), (B), and (C)

Fetal or Maternal Condition Directly Causing Fetal Death Fetal and/or Maternal Conditions, If Any, Giving Rise to the Immediate Cause (A) Stating the Underlying Cause Last

		Fetal or Maternal Cause (State Which)
20	A. Immediate Cause:	
21	Due to, or as a B. Consequence of:	
22	Due to, or as a C. Consequence of:	
23		

25. PART II OTHER SIGNIFICANT CONDITIONS of Fetus or Mother: Conditions Contributing To Fetal Death But Not Related to Cause Given in Part I (A)

26. FETUS DIED	27. AUTOPSY	28. PHYSICIAN'S ESTIMATE OF GESTATION
☐Before Labor ☐During Labor ☐During Delivery ☐Unknown	☐Yes ☐No	Weeks

29. NAME OF PHYSICIAN OR ATTENDANT (Type or Print)

30. SIGNATURE OF FUNERAL DIRECTOR OR OTHER PERSON COMPLETING REPORT

31. FUNERAL HOME-NAME AND ADDRESS Street or R.F.D. No. City or Village State Zip

* 10a & 13a - Highest Grade Completed

NOTE: THIS FORM IS REQUIRED FOR ANY DELIVERY AFTER 20 WEEKS GESTATION IF DEATH IS INDICATED BY THE FACT THAT THE FETUS SHOWS NO EVIDENCE OF LIFE. THIS FORM IS NOT TO BE USED FOR INDUCED ABORTIONS.

SAMPLE

TYPE OR PRINT IN PERMANENT BLACK INK

DOH-5080
FORM NO. VS-21
30M-REV.-1-78

STATE FILING DATE

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES

STATE NO.

ORIGINAL CERTIFICATE OF DIVORCE OR ANNULMENT

COURT RECORD NUMBER

HUSBAND

HUSBAND-NAME (First, Middle, Last) — 1a.

RESIDENCE: STATE — 2a. | COUNTY — 2b. | CITY, VILLAGE, OR TOWNSHIP — 2c. | INSIDE CITY OR VILLAGE LIMITS ☐Yes ☐No — 2d.

MAILING ADDRESS — 2e. | STATE OF BIRTH (If not in U.S.A., Name Country) — 3 | DATE OF BIRTH (Month, Day, Year) — 4a. | AGE — 4b.

Out of State Code

WIFE

WIFE-NAME (First, Middle, Last) — 5a. | MAIDEN NAME — 5b.

RESIDENCE: STATE — 6a. | COUNTY — 6b. | CITY, VILLAGE, OR TOWNSHIP — 6c. | INSIDE CITY OR VILLAGE LIMITS ☐Yes ☐No — 6d.

Out of State Code

MAILING ADDRESS — 8a. | STATE OF BIRTH (If not in U.S.A., Name Country) — 7 | DATE OF BIRTH (Month, Day, Year) — 8a. | AGE — 8b.

PLACE OF THIS MARRIAGE-CITY — 9a. | COUNTY — 9b. | STATE (If not U.S.A., Name Country) — 9c. | DATE OF THIS MARRIAGE (Mo., Day, Yr.) — 9d. | DATE COUPLE SEPARATED (Mo., Day, Yr.) — 10.

NUMBER OF CHILDREN EVER BORN ALIVE OF THIS MARRIAGE (Specify) — 11a. | NUMBER OF CHILDREN UNDER 18 IN THIS FAMILY — 11b. | PETITIONER-HUSBAND, WIFE, BOTH, OTHER (Specify) — 12.

ATTORNEY FOR PETITIONER-NAME (Type or Print) — 13a. | ADDRESS (STREET OR R.F.D. NO., CITY OR TOWN, STATE, ZIP) — 13b.

DECREE

DATE OF DECREE (Month, Day, Year) — I certify that the marriage of the above named persons was dissolved on: — 14a. | TYPE OF DECREE (Specify) ☐ DIVORCE ☐ ANNULMENT ☐ LEGAL SEPARATION — 14b. | DECREE GRANTED TO: ☐ HUSBAND ☐ WIFE ☐ BOTH ☐ OTHER — 14c.

COUNTY OF DECREE — 14e. | COURT-NAME — 14f.

SIGNATURE OF CERTIFYING OFFICIAL — 14g. ▶ | TITLE OF OFFICIAL — 14h.

WIFE'S NEW NAME (If applicable) — 15.

CONFIDENTIAL INFORMATION FOR STATISTICAL PURPOSES ONLY

	RACE-HUSBAND	NUMBER OF THIS MARRIAGE	IF PREVIOUSLY MARRIED HOW MANY ENDED BY		EDUCATION (Specify only highest grade completed)	
HUSBAND	Specify (e.g., White, Black, American Indian, Hispanic, etc.)	Specify (First, second, etc.)	DEATH?	DIVORCE, DISSOLUTION OR ANNULMENT?	Elementary or Secondary (0-12)	College (1-4 or 5+)
	16.	17.	18a.	18b.	19.	

	RACE-WIFE	NUMBER OF THIS MARRIAGE	IF PREVIOUSLY MARRIED HOW MANY ENDED BY		EDUCATION (Specify only highest grade completed)	
WIFE	Specify (e.g., White, Black, American Indian, Hispanic, etc.)	Specify (First, second, etc.)	DEATH?	DIVORCE, DISSOLUTION OR ANNULMENT?	Elementary or Secondary (0-12)	College (1-4 or 5+)
	20.	21.	22a.	22b.	23.	

SAMPLE

QUALIFICATIONS AND LIMITATIONS OF THE DATA

Completeness of Registration: It is assumed that Wisconsin has relatively complete registration of vital events. The Bureau of Census assisted in a test of completeness of registration of births in connection with the 1950 census. Registration completeness was 99.6 percent of all births.

Although no evaluation of death registration has been completed, it is assumed that death registration is reasonably complete because death certificates are required to settle estates. Also, penalties assessed against funeral directors for not filing are severe.

Fetal death reporting requires reports for all fetuses of 20 weeks gestation and over or 350 grams or more in weight. No test for completeness of registration has been done. It is recognized, however, that fetal deaths are likely to be less well reported than other vital events.

Infant Death Data: Notification of infant death is obtained from the regular death certificate. However, much information relevant to the study of infant mortality is found on the birth certificate. Birth and death records have, therefore, been matched to produce a composite infant death tape, which is the source of Table 2.1. Certificates of birth or death from other states are included in the match. Discrepancies between those two sources are minimal, usually involving fewer than ten deaths.

Geographic Classifications: In most tables, geographical classifications are limited to the county level. The term "urban" used in some summary tables refers to the sum of those incorporated places having a population of 2,500 or more according to the latest population estimates available from Demographic Services, Wisconsin Department of Administration. It should be noted that this does not correspond to the official Census Bureau usage since it excludes those portions of urbanized areas that are unincorporated and/or under 2,500 population. Similarly, "balance of county" should not be construed as "rural." Table 1.5 lists cities, towns and villages of 2,500 or more population. All others are summed in the "balance of county" category.

Events are assigned to geographical areas according either to place of residence or to place of occurrence. The basis for classification is identified in each table and should be carefully observed when extracting information.

The term "resident data" refers to events that have been assigned to the area where the person lives (usually legal residence) regardless of where the event occurred. In the case of infant deaths and births, the reference is to be residence of the mother. It should be noted that in the case of infant deaths, the place of residence at death may differ from the place of residence at birth. The published tables referring to infant death data are all based on residence at death.

The term "occurrence data" refers to tabulation according to where the events took place, regardless of the usual residence of the person. Since nearly all births and most deaths take place in hospitals, the number which occur in the six counties without hospitals is small. Likewise, the number of occurrences in counties with many hospitals will be large for this reason alone. The six Wisconsin counties in which no hospital is located are: Florence; Forest; Iron; Marquette; Menominee; and Pierce.

Comparability in Cause-of-Death Statistics: There are two major limitations in interpreting changes in cause-of-death statistics. Changes in diagnostic practice may affect the comparability of such statistics over time, as do changes in nomenclatures and classification schemes. The International Classification of Diseases is revised approximately every ten years to incorporate advances in medical science and to reflect changing medical opinion and practice. In Wisconsin, the Sixth Revision was used from 1949-1957, the Seventh Revision from 1958-1967, the Eighth Revision from 1968-1978, and the Ninth Revision was adopted in 1979 and will be used until approximately 1993.

Mortality statistics in this report are thus based on the Ninth Revision. These data represent the underlying cause of death. The underlying cause is defined as "the disease or injury which initiated the train of morbid events, leading directly to death."[4] Prior to 1973, when two or more causes were jointly recorded, the coder in the Center for Health Statistics selected the underlying cause by using the ancillary information provided on the death certificate by the medical certifier, i.e., the attending physician, coroner or medical examiner. Beginning in 1973, however, all causes mentioned on the certificate are coded, and the underlying cause is determined using the Automated Classification of Medical Entities computer program developed by the National Center for Health Statistics.

The introduction of the concept of "underlying" cause in 1949 with the Sixth Revision resulted in a basic change in the classification of death that would seriously affect the interpretation of mortality trends before and after 1949. Comparability ratios based on the Fifth and Sixth Revisions were published by the National Center for Health Statistics.[5]

The Eighth Revision introduced some major modifications in classification lists and coding procedures that created a need for comparability ratios for some causes of death when comparisons are made before and after 1968. A study of this problem at the National Center for Health Statistics reveals many small discontinuities and several serious interpretation problems.[6] The Ninth Revision made further modifications in the classification lists and again created a need for comparability ratios for some causes of death when comparisons are made using 1979 or later data. In comparison, the following should be noted:

> For Diseases of the Heart, the Ninth Revision does not include all diseases of the circulatory system as did the Eighth.
>
> For conditions originating in the perinatal period, the Ninth Revision has been completely restructured to reflect the medical progress made in this area in recent years. The Ninth Revision provides much greater specificity.

---

[4]International Classification of Diseases, Ninth Revision, 1977, vol. 1, p. 700.

[5]Vital Statistics-Special Report, vol. 51, no. 3.

[6]A. Joan Klebba, Comparability of Mortality Statistics for the 7th and 8th Revisions of the International Classification of Diseases, United States--DHEW Publication No. (HRA) 76-1340.

Multiple Causes of Death (Tables 2.9a and 2.9b): A physician, coroner or medical examiner assigns the cause of death on the death certificate. Several related medical conditions may be listed. One is selected by the criteria established by the National Center for Health Statistics as the "underlying cause of death" (see Definitions on page 105).

The other listed causes can include not only etiological or pathological sequences that were due to or were a consequence of the underlying cause, but also any other significant condition which unfavorably influenced the course of the morbid process but was not directly related to the disease or condition causing death.

A death certificate will always contain the underlying cause of death. It may or may not list other causes. In reading these tables, it should be noted that "underlying cause" frequencies match the number of deaths (deceased persons). "Other listed causes" will not match the number of deaths because several non-underlying causes may be listed for one deceased person and none at all listed for another deceased person.

Small Frequencies: The numbers of births or deaths reported for a community represent complete counts of these events. As such, they are not subject to sampling error or variation, although they are subject to errors in the collection and processing procedures. However, when the figures are used for comparison of frequencies and rates over a time period, or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances. The probable range of values may be estimated from the actual figures according to certain statistical assumptions.[7]

[7] Vital Statistics for the U.S., 1959, vol. 1, pp. 1-20.

International Classification of Disease (ICD)
Comparability of 7th, 8th, and 9th Revisions

CAUSE OF DEATH	9TH REVISION (1979-PRESENT)	8TH REVISION (1968-1978)	7TH REVISION (1958-1967)
TUBERCULOSIS	010-019	010-019	001-019
RESPIRATORY TUBERCULOSIS	010-012	010-012	001-008
OTHER TUBERCULOSIS	013-018	013-019	010-019
SEPTICEMIA	038	038	053
OTHER INFECTIOUS AND PARASITIC			
MALIGNANT NEOPLASMS	140-208	140-209	140-205
LIP, ORAL CAVITY, PHARYNX	140-149	140-149	140-148
DIGESTIVE ORG. AND PERITONEUM	150-159	150-159	150-156A,157-159
RESPIRATORY AND INTRATHORACIC	160-165	160-163	160-164
BREAST	174-175	174	170
GENITAL ORGANS	179-187	180-187	171-179
URINARY ORGANS	188-189	188-189	180,181
OTHER AND UNSPEC SITES	170-173,190-199	170-173,190-199	156B,165,190-199
OTHER LYMPH. AND HEMATOP	200-203	200-203,208,209	200-203,205
LEUKEMIA	204-208	204-207	204
BENIGN AND UNCERTAIN NEOPLASMS	210-239	210-239	210-239
DIABETES MELLITUS	250	250	260
NUTRITIONAL DEFICIENCIES	260-269	260-269	280-289
ANEMIAS	280-285	280-285	290-293
MENINGITIS	320-322	320	340
MAJOR CARDIOVASCULAR DISEASE	391-448	391-448	330-334,401-468
HEART	391-398,402,404-429	391-398,402,404-429	401,402,410-443
RHEUMATIC FEVER	391-398	391-398	401,402,410-416
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